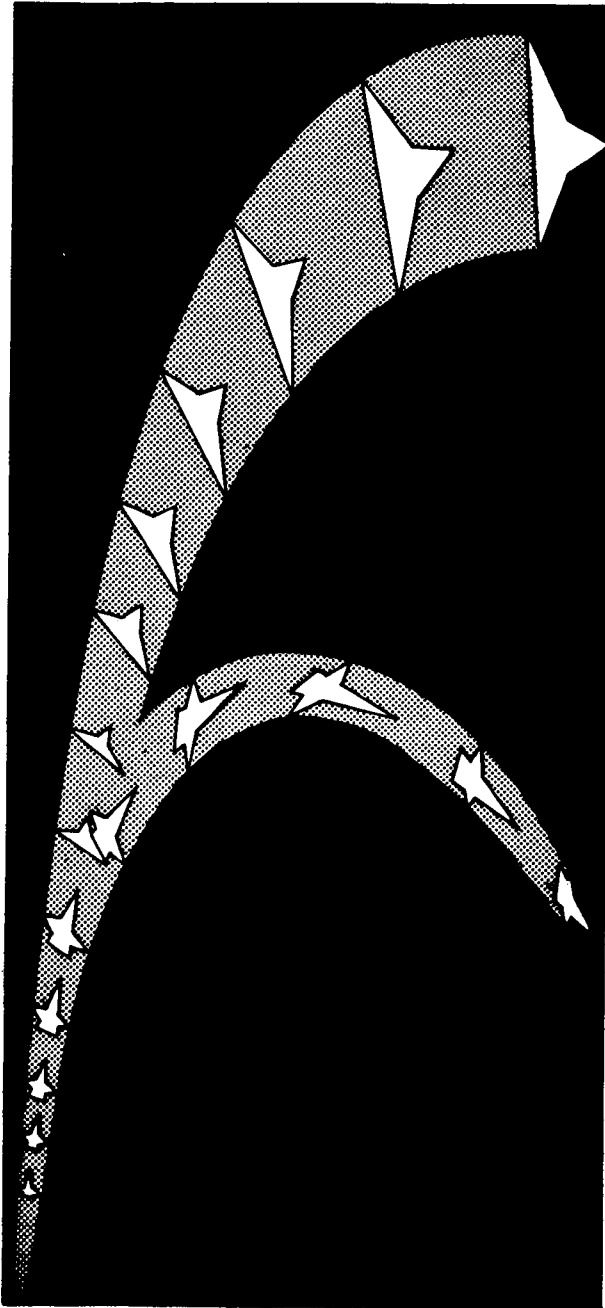


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DMS-DR-1222
CR-120,034
JANUARY 1973



SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

CONTRACT NAS8-4016
MARSHALL SPACE FLIGHT CENTER

SPACE DIVISION  CHRYSLER
CORPORATION

—SPACE SHUTTLE—

PRESSURE INVESTIGATION OF A SPACE SHUTTLE LAUNCH CONFIGURATION CONSISTING OF A DELTA-WING ORBITER AND A SWEEP-WING BOOSTER WITH CANARD AND TIP FINS

(M=0.6 TO 1.3)

Volume 2 Orbiter Data

by

J.M. Rampy, NSI
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4-FOOT TRANSONIC
PROPULSION WIND
TUNNEL

Arnold Engineering
Development Center

This document should
be referenced as

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LAUNCH CONFIGURATION CONSISTING OF A
DELTA-WING ORBITER AND A (Chrysler Corp.)
514 P HC \$27.75

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DMS-DR-1222
Volume II
CR-120,034

SADSAC/SPACE SHUTTLE
WIND TUNNEL TEST DATA REPORT

CONFIGURATION: MDAC Orbiter and Booster Shuttle Models; 0.00556 Scale

TEST PURPOSE: Experimental Pressure Investigation of Space Shuttle Launch
Vehicle at Mach Numbers of 0.6 to 1.3

TEST FACILITY: AEDC-PWT Tunnel 4-T

TESTING AGENCY: MSEC/AEDC

TEST NO. & DATE: AEDC TC174 (PC1154): 11 through 13 October, 1971

FACILITY COORDINATOR: L. L. Trimmer, ARO: J. F. Weaver, MSEC

PROJECT ENGINEER(S): J. M. Rampy, NSI
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CONTRACT NAS 8-4016

AMENDMENT 182

DRL 297 - 84a

This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.

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PRESSURE INVESTIGATION OF A SPACE SHUTTLE
LAUNCH CONFIGURATION CONSISTING OF A DELTA-WING ORBITER
AND A SWEPT-WING BOOSTER WITH CANARD AND TIP FINS
(M = 0.6 TO 1.3)

By J. M. Rampy, K. L. Blackwell, and G. R. Gomillion

S U M M A R Y

This report presents pressure data obtained from a wind tunnel test sponsored by the Marshall Space Flight Center (MSFC) and conducted in the PWT-4T facility of the Arnold Engineering Development Center (AEDC) from October 11 through October 13, 1971. The models tested were 0.00556 scale models of the McDonnell-Douglas orbiter and booster configurations. Pressure data were obtained for the combined orbiter and booster and for the booster alone at Mach numbers from 0.6 to 1.3, angles of attack from -8° to $+10^{\circ}$, and sideslip angles from -6° to $+6^{\circ}$. Pressure data was also obtained for the booster alone without canard at Mach numbers of 0.9 and 1.1 (nominal). The pressure taps were distributed primarily over the booster upper surface and the orbiter lower surface.

The models were mounted on individual stings which allowed various incidence angles and longitudinal positions of the orbiter relative to the booster. Orbiter incidence angles of 0° , 1.9° , and 3.8° were obtained at the most aft position of the orbiter, and three longitudinal positions were obtained at 0° incidence. The vertical separation distance between the orbiter lower

SUMMARY (Concluded)

surface and the booster upper surface was nominally zero. These test results supplement the data presented in references 1 and 2.

Plotted data for this test is published under one report number (DMS-DR-1222) in two volumes: volume 1, parts A and B, contains the plotted data for the booster alone and in the presence of the orbiter, and volume 2 contains the plotted data for the orbiter in the presence of the booster.

NOMENCLATURE

AEDC TC 174

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		Speed of sound; m/sec, ft/sec
b/2		Vehicle wing semi-span; in.
c		Local airfoil chord; in.
c.g.		Center of gravity
CP	CP	Pressure coefficient, $\frac{P_l - P_\infty}{q}$
L	L	Body length; in.
M _∞	M1	Free stream Mach number; V/a
P _l		Local static pressure; psia
P ₀		Free stream total pressure; psia
P _∞		Free stream static pressure; psia
q		Dynamic pressure; psi
RN/L		Unit Reynolds number; per foot
T ₀		Freestream total temperature, °F
V		Velocity; m/sec, ft/sec
x		Distance from vehicle nose; in.
x/c	X/C	Local chordwise position/local chord length
x/L	X/L	Longitudinal position/body length
y		Distance from lateral centerline, in.
y/b/2	Y/B	Local spanwise position/wing semi-span

NOMENCLATURE (Concluded)

AEDC TC 174

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
α_B	ALFB	Booster angle of attack; degrees
α_0	ALFO	Orbiter angle of attack; degrees
i	I	Incidence angle between the orbiter and booster, $I = \alpha_0 - \alpha_B$; degrees
β	BETA	Angle of sideslip; degrees
θ	THETA	Angle measured from vehicle top center- line; degrees
$\Delta x/L$	DX/L	Distance between the c.g. of the orbiter and booster measured parallel to the longitudinal axis of the booster, positive when the orbiter c.g. is forward of the booster c.g., the distance has been norma- lized with respect to the booster fuselage length (16.184 inches)

APPARATUS AND MODELS

The models tested were .00556 scale models of the MDAC orbiter and booster, figures 3 and 4, respectively. The orbiter is basically the configuration illustrated on MDAC drawing number 255BJ0050. Modifications made on the orbiter to allow for installation of the nozzle assembly are shown in figure 3.

The booster configuration is basically the configuration designated 19A by MDAC (drawing number 256-19-0001). The body, wing, and canard of the booster model are that of configuration 19A except that the body does not have a base flare or boattail, figure 4. The vertical tails are those which were designed for the configuration designated 17 (drawing number 256-17-001).

The booster model was tested alone with and without canard, and the complete booster and orbiter models were tested together. The orbiter and booster models were mounted on individual stings as shown by figures 6 and 7. The orbiter could be moved fore and aft with respect to the booster and small variations of the orbiter/booster relative incidence angle could be obtained. The vertical separation distance (minimum gap) between the orbiter lower surface and the booster upper surface was nominally zero. The **values** of the relative incidence angle, I , and the longitudinal separation variable, DX/L , are listed in Table II entitled "Pressure Dataset Collation Sheets".

Dimensional data for both vehicles are shown in Table V. The pressure tap layout is shown in figures 1 and 2, and the exact tap locations are given in tables III and IV.

TEST FACILITY DESCRIPTION

The 4-Foot Transonic Propulsion Wind Tunnel (PWT-4T) is a closed-loop, continuous flow, variable density facility with a 4- by 4-foot square test section and a Mach number range of 0.1 to 1.4. The tunnel has a stagnation pressure range of 300 to 1700 psf, and a stagnation temperature range of 80° to 130°F. The test section is equipped with variable porosity walls with an available porosity range of 0 to 10 percent open area. A complete description of the PWT-4T tunnel can be found in reference 3.

DATA REDUCTION

The longitudinal separation variable DX/L is referenced to nominal center of gravity locations on the orbiter and booster and to the booster body axis system. The orbiter model c.g. was located 4.917 inches aft of the orbiter model nose, and the booster model c.g. was located 7.528 inches aft of the booster model nose. The DX/L distance is measured parallel to the longitudinal axis of the booster and between the nominal center of gravity points on the orbiter and booster, as illustrated in figure 5. The value of DX/L is positive when the orbiter c.g. is forward of the booster c.g. DX/L is normalized using the booster fuselage length of 16.184 inches.

REFERENCES

1. Strike, W. T. Jr., "Abort Separation Pressure Distributions on McDonnell-Douglas Space Shuttle Configurations at Mach Numbers 2.3 and 5", AEDC-TR-72-46, May 1972.
2. "Space Shuttle Abort Separation Pressure Investigation", NASA CR-120,008, June 1972.
3. "Test Facilities Handbook", Arnold Engineering Development Center, December 1969.
4. Lane, David G., "Pretest Information For A Proposed Space Shuttle Launch Configuration Pressure Investigation To Be Conducted At AEDC PWT-4T", MSFC Pretest Report, July 1971.

TABLE I
TEST CONDITIONS
TEST TC 174

MACH NUMBER	REYNOLDS NUMBER per unit length	DYNAMIC PRESSURE (pounds/sq. foot)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	2.0×10^6	238	
0.9	2.4×10^6	402	
1.0	2.5×10^6	441	
1.1	2.5×10^6	478	
1.2	2.5×10^6	498	
1.3	2.5×10^6	510	
			80° to 110° F
			(overall range)

BALANCE UTILIZED: _____

CAPACITY:

NF _____
SF _____
AF _____
PM _____
YM _____
RM _____

ACCURACY:

COEFFICIENT
TOLERANCE:

COMMENTS:

☐ PRETEST
☒ POSTTEST

[illegible]

**α OR β
SCHEDULES**

$B(\beta) = -6, -4, -2, 0, +2, +4, +6$ degrees

$c(\beta) = -4, -2, 0, +2, +4$ degrees

$P(\alpha)$ =partial schedule A

$D(\beta)=-4, +4$ degrees (plotted data includes $\beta=0$ at $\alpha=-6$ or $+6$ from corresponding α -variant dataset)

TABLE III
ORBITER PRESSURE TAP LOCATIONS

Tap No.	TAP LOCATION			Tap No.	TAP LOCATION		
	$(x/L)_o$	$(y/b/2)_o$	Surface		$(x/L)_o$	$(y/b/2)_o$	Surface
1	0	0	Lower Body	28	.498	.231	Lower Wing
2	.019	↓	↓	29	.586	↓	↓
3	.066	↓	↓	30	.674	↓	↓
4	.145	↓	↓	31	.762	↓	↓
5	.233	↓	↓	32	.854	↓	↓
6	.321	↓	↓	33	.944	↓	↓
7	.409	↓	↓	34	.674	.400	↓
8	.498	↓	↓	35	.762	↓	↓
9	.586	↓	↓	36	.854	↓	↓
10	.676	↓	↓	37	.942	↓	↓
11	.765	↓	↓	38	.764	.569	↓
12	.854	↓	↓	39	.854	↓	↓
13	.943	↓	↓	40	.942	↓	↓
14	.981	↓	↓	41	.852	.738	↓
15	.149	.077	↓	42	.942	↓	↓
16	.233	↓	↓	43	↓	0	Upper Base
17	.321	↓	↓	44	↓	.138	Lower Base
18	.409	↓	↓	45	.981	-.007	Upper Wing
19	.498	↓	↓	46	.981	.289	↓
20	.586	↓	↓	47	.939	↓	↓
25	.233	.191	↓	48	.851	↓	↓
26	.321	.221	↓	49	.981	.400	↓
27	.409	.231	Lower Wing	50	.939	↓	↓

x = Distance from orbiter nose

y = Distance from orbiter centerline

L = Orbiter length 27.153 cm (10.690 in.)

b/2 = Orbiter wing semi-span 8.255 cm (3.250 in.)

TABLE IV

BOOSTER PRESSURE TAP LOCATIONS

Tap No.	TAP LOCATION			Tap No.	TAP LOCATION		
	$(x/L)_B$	$(y/b/2)_B$	Surface		$(x/L)_B$	$(y/b/2)_B$	Surface
1	.004	0	Body $\phi, \theta = 0^\circ$	30	.243	.092	Body, $\theta = 24^\circ$
2	.014			31	.305		
3	.025			32	.367		
4	.062			33	.490		
5	.120			34	.613		
6	.181			35	.737		
7	.243			36	.798		
8	.305			37	.860		
9	.366			38	.921		
10	.490			39	.983		
11	.613			40	.062	.155	Body, $\theta = 45^\circ$
12	.737			41	.124		
13	.799			42	.185		
14	.859			43	.247		
15	.921			44	.309		
16	.983			45	.371		
17	.062	.018	Nose Section	46	.494		
18	.120	.037		47	.618		
19	.181	.046		48	.741		
20	.243			49	.988	.220	Body, $\theta = 90^\circ$
21	.309	.220	Body, $\theta = 90^\circ$	93	.998	0	Base, $\theta = 0^\circ$
22	.371			94		.193	90°
23	.494			95		-.193	270°
24	.618			96		0	180°
25	.741			97	.803		Body, $\theta = 180^\circ$
26	.803			98	.865		
27	.851			99	.927		
28	.896			100	.988		
29	.942						

x = Distance from booster nose

y = Distance from booster centerline

L = Booster length 41.107 cm (16.184 in.)

$b/2$ = Booster semi-span 13.805 cm (5.435 in.)

TABLE IV (Continued)

BOOSTER PRESSURE TAP LOCATIONS

Tap No.	TAP LOCATION			Tap No.	TAP LOCATION		
	$(x/c)_B$	$(y/b/2)_B$	Surface		$(x/c)_B$	$(y/b/2)_B$	Surface
53	.098	.221	Upper Wing	71	.718	.635	Upper Wing
54	.320	↓	↓	72	.926	↓	↓
55	.542	↓	↓	73	.066	.773	↓
56	.763	↓	↓	74	.275	↓	↓
57	.985	↓	↓	75	.484	↓	↓
58	.101	.359	↓	76	.696	↓	↓
59	.320	↓	↓	77	.896	↓	↓
60	.542	↓	↓	83	.195	.565	Upper Canard
61	.762	↓	↓	84	.716	↓	↓
62	.970	↓	↓	85	.195	.879	↓
63	.103	.497	↓	86	.716	↓	↓
64	.319	↓	↓	87	.514	.230	Lower Wing
65	.528	↓	↓	88	.737	↓	↓
66	.741	↓	↓	89	.960	↓	↓
67	.948	↓	↓	90	.496	.368	↓
68	.081	.635	↓	91	.718	↓	↓
69	.292	↓	↓	92	.940	↓	↓
70	.507	↓	↓				

x = Distance from airfoil leading edge

y = Distance from booster centerline

c = Local airfoil chord

$b/2$ = Booster wing semi-span 13.805 cm (5.435 in.) for wing taps

$b/2$ = Booster canard semi-span 6.071 cm (2.390 in.) for canard taps

TABLE IV (Concluded)
BOOSTER PRESSURE TAP LOCATIONS

Surface	$(y/b/2)_B$	Local Chord, cm	Local Chord, in.
<div style="text-align: center;"> Wing ↓ Canard ↓ </div>	.221	8.387	3.302
	.359	7.640	3.008
	.497	6.962	2.741
	.635	6.116	2.408
	.773	5.301	2.087
	.230	8.336	3.282
	.368	7.564	2.978
	.565	4.877	1.923
	.879	4.877	1.923

TABLE V. DIMENSIONAL DATA

MODEL COMPONENT: BODY - MDAC Orbiter

GENERAL DESCRIPTION: Basic fuselage contours including canopy with modified
aft fuselage cross sections; cross-sectional shape constant from station 1500
to end of fuselage - model scale 1/120.

DRAWING NUMBER: 255 BJ 00060, Rev. B

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>156.4</u>	<u>.869</u>
Max. Width	<u>27.1</u>	<u>.150</u>
Max. Depth	<u>30.3</u>	<u>.163</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE V. (CONTINUED)

MODEL COMPONENT: Wing - MDAC OrbiterGENERAL DESCRIPTION: Model Scale 1/180DRAWING NUMBER: 255 BJ 00050, Rev. BDIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area, ft²
 Planform
 Wetted
 Span (equivalent), ft
 Aspect Ratio
 Rate of Taper
 Taper Ratio
 Dihedral Angle, degrees
 Incidence Angle, degrees
 Aerodynamic Twist, degrees

5330.0
 97.5
 1.79
 .230
 10.0
 2.0
 0

.164
 .542
 1.79
 .230
 10.0
 2.0
 0

Sweep Back Angles, degrees
 Leading Edge
 Trailing Edge
 0.25 Element Line

55.0
 0
 47.0

55.0
 0
 47.0

Chords:

Root (Wing Sta. 0.0), inches
 Tip, (equivalent), inches

1031.8
 249.6
 754.3

6.027
 1.337
 4.193

MAC, inches
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC

Airfoil Section

Root (B.L. 162)
 Tip (B.L. 540)

0010-64
 0009-64

0010-64
 0009-64

EXPOSED DATA

Area, ft²
 Span, (equivalent), ft
 Aspect Ratio
 Taper Ratio
 Chords

3147.3
 70.5
 1.53

.097
 .392
 1.53

Root, inches
 Tip, inches

855.0
 249.6
 607.2

4.750
 1.337
 3.373

MAC
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC

TABLE V. (CONTINUED)

MODEL COMPONENT: Vertical Tail - MDAC OrbiterGENERAL DESCRIPTION: Model Scale 1/180DRAWING NUMBER:255 BJ 00050, Rev. BDIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area, ft ²		
Planform	580.0	.013
Wetted		
Span (equivalent), ft.	27.5	.153
Aspect Ratio		
Rate of Taper		
Taper Ratio	.638	.638
Dihedral Angle, degrees		
Incidence Angle, degrees		
Aerodynamic Twist, degrees		
Toe-In Angle		
Cant Angle		
Sweep Back Angles, degrees		
Leading Edge	30.0	30.0
Trailing Edge	13.1	13.1
0.25 Element Line	26.2	26.2
Chords:		
Root, inches	309.6	1.720
Tip, (equivalent), inches	196.3	1.093
MAC, inches	21.4	.119
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
Airfoil Section		
Root	0009-64	0009-64
Tip	0009-64	0009-64

EXPOSED DATA

Area, ft ²	580.0	.018
Span, (equivalent), ft	27.5	.153
Aspect Ratio		
Taper Ratio	.638	.638
Chords:		
Root, inches	309.6	1.720
Tip, inches	196.3	1.093
MAC, inches	21.4	.119
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		

TABLE V. (CONTINUED)

MODEL COMPONENT: BODY - MDAC Booster

GENERAL DESCRIPTION: Configuration 19A fuselage without base fins and boattail
Model Scale 1/180

DRAWING NUMBER: 256-19-0001, Rev. A

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Ft)	<u>241.7</u>	<u>1.343</u>
Max. Width (Ft)	<u>34.0</u>	<u>.139</u>
Max. Depth (Ft)	<u>34.0</u>	<u>.139</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE V. (CONTINUED)

MODEL COMPONENT: Wing - MDAC BoosterGENERAL DESCRIPTION: Configuration 19A WingModel Scale 1/180DRAWING NUMBER:DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area, ft ²		
Planform	6020.0	.136
Wetted		
Span (equivalent), ft.	146.0	.811
Aspect Ratio	3.54	3.54
Rate of Taper		
Taper Ratio	.435	.435
Diehedral Angle, degrees	7.67	7.67
Incidence Angle, degrees	3.0	3.0
Aerodynamic Twist, degrees	0	0
Sweep Back Angles, degrees		
Leading Edge	44.0	44.0
Trailing Edge		
0.25 Element Line		
Chords:		
Root (Wing Sta. 0.0), inches	690.0	3.333
Tip, (equivalent)	300.0	1.667
MAC, inches	520.0	2.889
Fus. Sta. of .25 MAC, inches	3625	20.139
W.P. of .25 MAC, inches		
B.L. of .25 MAC, inches	380	2.111
Airfoil Section		
Root	0010-64	0010-64
Tip	0010-64	0010-64

EXPOSED DATA

Area, ft ²	4190.0	.129
Span, (equivalent), ft.		
Aspect Ratio		
Taper Ratio		
Chords:		
Root, inches	594.0	3.300
Tip, inches	300.0	1.667
MAC, inches		
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		

TABLE V. (CONTINUED)

MODEL COMPONENT: Vertical Tails - MDAC BoosterGENERAL DESCRIPTION: Configuration 17 Vertical TailsModel Scale 1/180DRAWING NUMBER: 256-17-0001, Rev. ADIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA (Values for one)

Area
 Planform (true)
 (Side Projection)
 Span (equivalent), inches
 Aspect Ratio
 Rate of Taper
 Taper Ratio

433
 397
 276
 1.21
 .520

.014
 .012
 1.533
 1.21
 .520

Toe-In Angle
 Cant Angle
 Sweep Back Angles, degrees
 Leading Edge
 Trailing Edge
 0.25 Element Line

0
 25
 40

0
 25
 40

Chords:
 Root
 Tip, (equivalent), inches
 MAC, inches
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC

300
 156
 236

1.667
 .867
 1.311

Airfoil Section

Root

Tip

NACA
 NACA

64A-009
 64A-009

NACA 64A-009
 NACA 64A-009

EXPOSED DATA

Area
 Span, (equivalent)
 Aspect Ratio
 Taper Ratio
 Chords
 Root
 Tip
 MAC
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC

TABLE V. (CONTINUED)

MODEL COMPONENT: Canard - MDAC BoosterGENERAL DESCRIPTION: Configuration 19A CanardModel Scale 1/180DRAWING NUMBER: 256-19-001, Rev. ADIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Theo. Area, Ft ²	<u>1660</u>	<u>.051</u>
Exp Area, Ft ²	<u>1215</u>	<u>.038</u>
Aspect Ratio	<u>3.0</u>	<u>3.0</u>
Chord (Incl. Flap), Ft	<u>23.625</u>	<u>.131</u>
Airfoil (360 In. Theo Chord)	<u>63-018</u>	<u>63-018</u>

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NACA

TABLE VI. INDEX OF MODEL FIGURES

FIGURE		PAGE
1.	Pressure Tap Layout-Orbiter	24
2.	Pressure Tap Layout-Booster	25
3.	Modifications to Orbiter Model	26
4.	Modifications to Booster Model	27
5.	Model Separation Variables	28
6.	Rear View of Models and Test Apparatus	29
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TABLE VII. INDEX OF DATA FIGURES
VOLUME I - PARTS A AND B

TITLE	VEHICLE SECTION	TYPE OF PLOT	(1) CONDITIONS VARYING	PAGES
<u>PART A</u>				
Longitudinal Distribution of Booster Fuselage Pressures	Fuselage	CP vs. X/L	ALFB or BETA, THETA, MACH	1-417
Radial Distribution of Booster Base Pressures	Fuselage Base	CP vs. THETA	ALFB or BETA, MACH	418-556
<u>PART B</u>				
Chordwise Distribution of Booster Canard Pressures	Canard	CP vs. X/C	ALFB or BETA, Y/B, MACH	557-691
Chordwise Distribution of Booster Upper and Lower Wing Pressures	Wing	CP vs. X/C	ALFB or BETA, Y/B, MACH	692-1108

- Notes: (1) Conditions listed are those which vary in each dataset plotted. A complete list of configurations and varying parameters is given in Table II, "Pressure Dataset Collation Sheets".
- (2) Dataset plotting order for each section is numerical sequence of dataset identifier as listed in Table II.
- (3) The varying legend dimension for the fuselage, THETA, and for the canard, wing upper surface, and wing lower surface, Y/B, is plotted two values per page on side-by-side plot grids. The first value listed in the legend table under the dimension name corresponds to the data plotted on the left plot grid.

TABLE VII. INDEX OF DATA FIGURES

VOLUME II

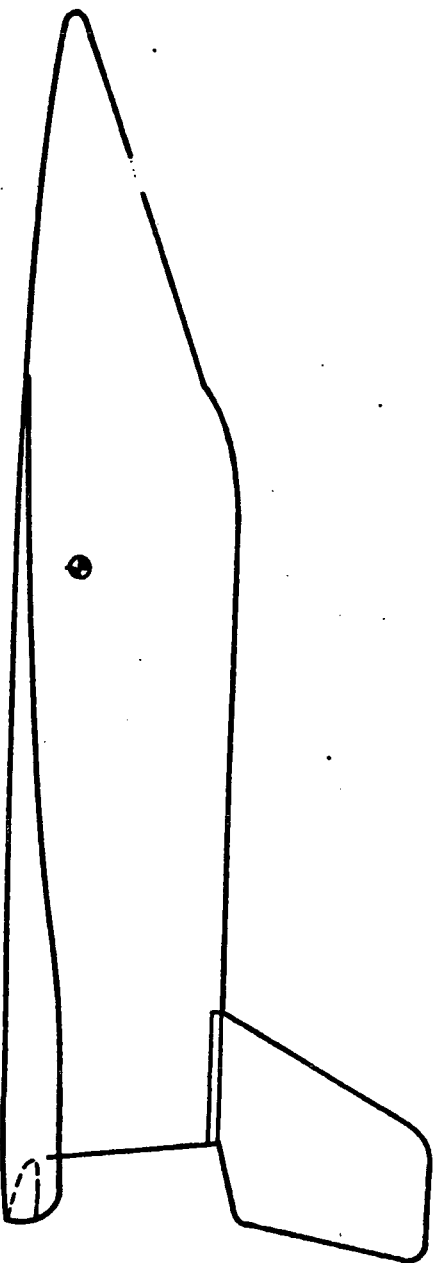
TITLE	VEHICLE SECTION	TYPE OF PLOT	CONDITIONS VARYING ⁽¹⁾	PAGES
Longitudinal Distribution of Orbiter Fuselage Pressures	Fuselage, Lower Wing	CP vs. X/L	ALFB or BETA, Y/B, MACH	1-333
Longitudinal Distribution of Orbiter Lower Wing Pressures				
Longitudinal Distribution of Orbiter Upper Wing Pressures	Upper Wing	CP vs. X/L	ALFB or BETA, Y/B, MACH	334-444
Orbiter Base Pressures (Lower Base Pressure Tap)	Base	CP vs. ALFB or BETA	ALFB or BETA, MACH	445-510

Notes: (1) Conditions listed are those which vary in each dataset plotted.

A complete list of configurations and varying parameters is given in Table II, "Pressure Dataset Collation Sheets".

- (2) Dataset plotting order for fuselage and lower wing sections is FTCCOL, HTCCOL, FTCCO2, HTCCO2, etc., in **numerical sequence up to 11 datasets** for each section. Dataset plotting order for upper wing and base sections, individually, is numerical sequence of dataset identifier as listed in Table II.

- (3) The varying legend dimension, Y/B, for the fuselage, lower wing, and upper wing sections is plotted two values per page on side-by-side plot grids. The first value listed in the legend table under the dimension name corresponds to the data plotted on the left plot grid.



NOTE: Tap numbers in parentheses with solid symbols are on upper side of wing.

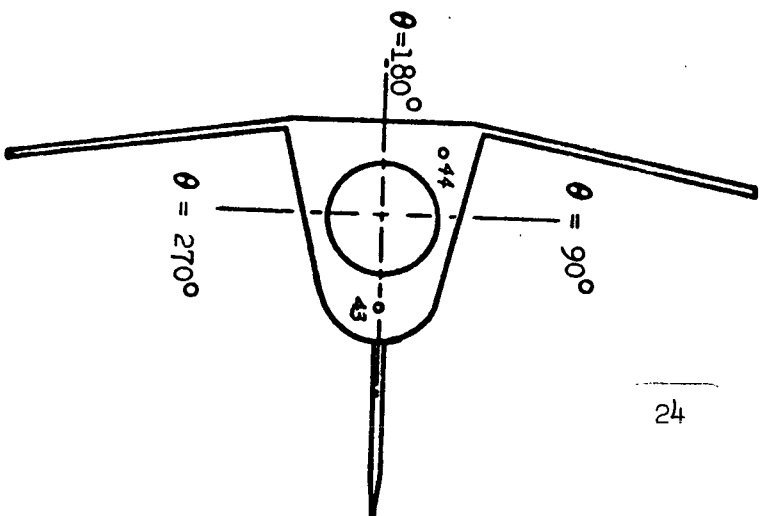
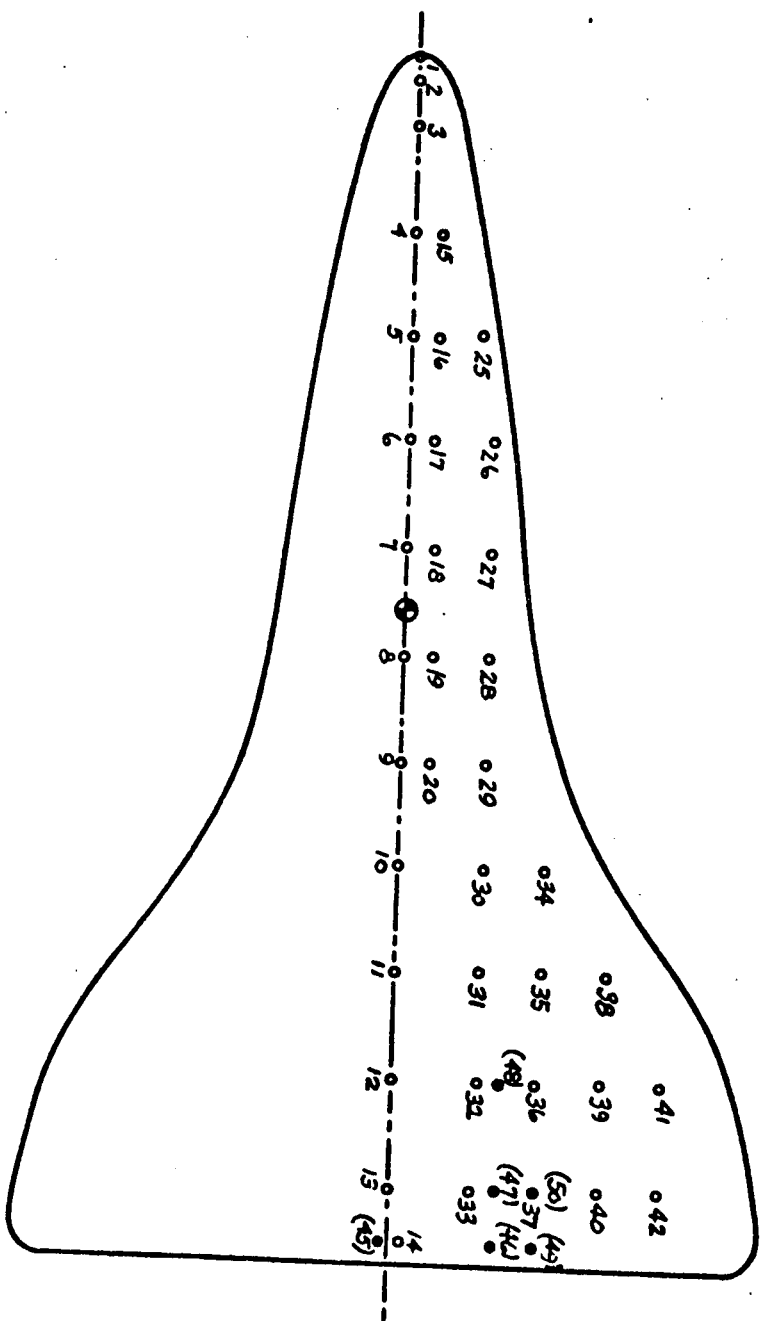


Fig. 1.- Pressure Tap Layout - Orbiter

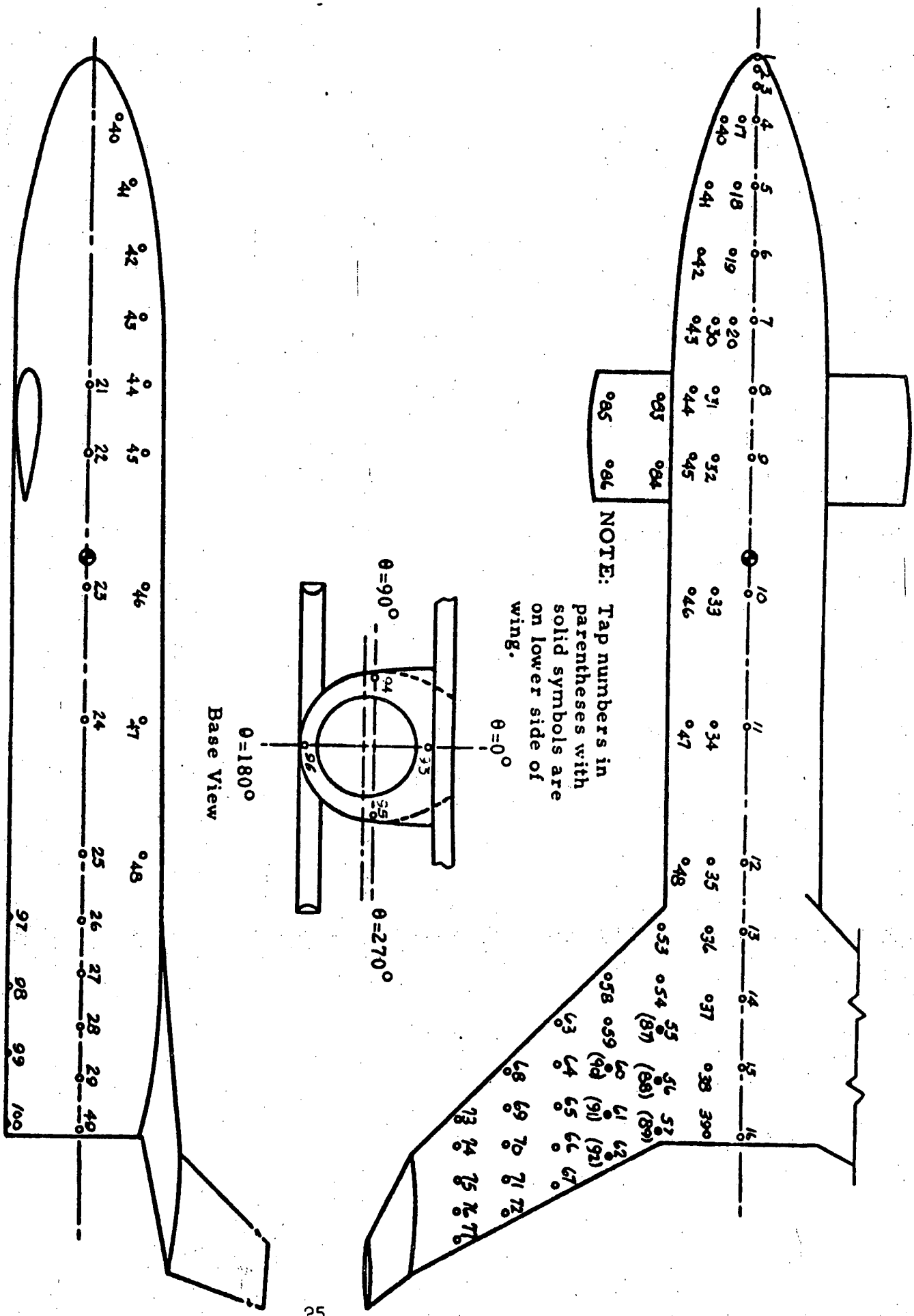


Fig. 2 - Pressure Tap Layout - Booster

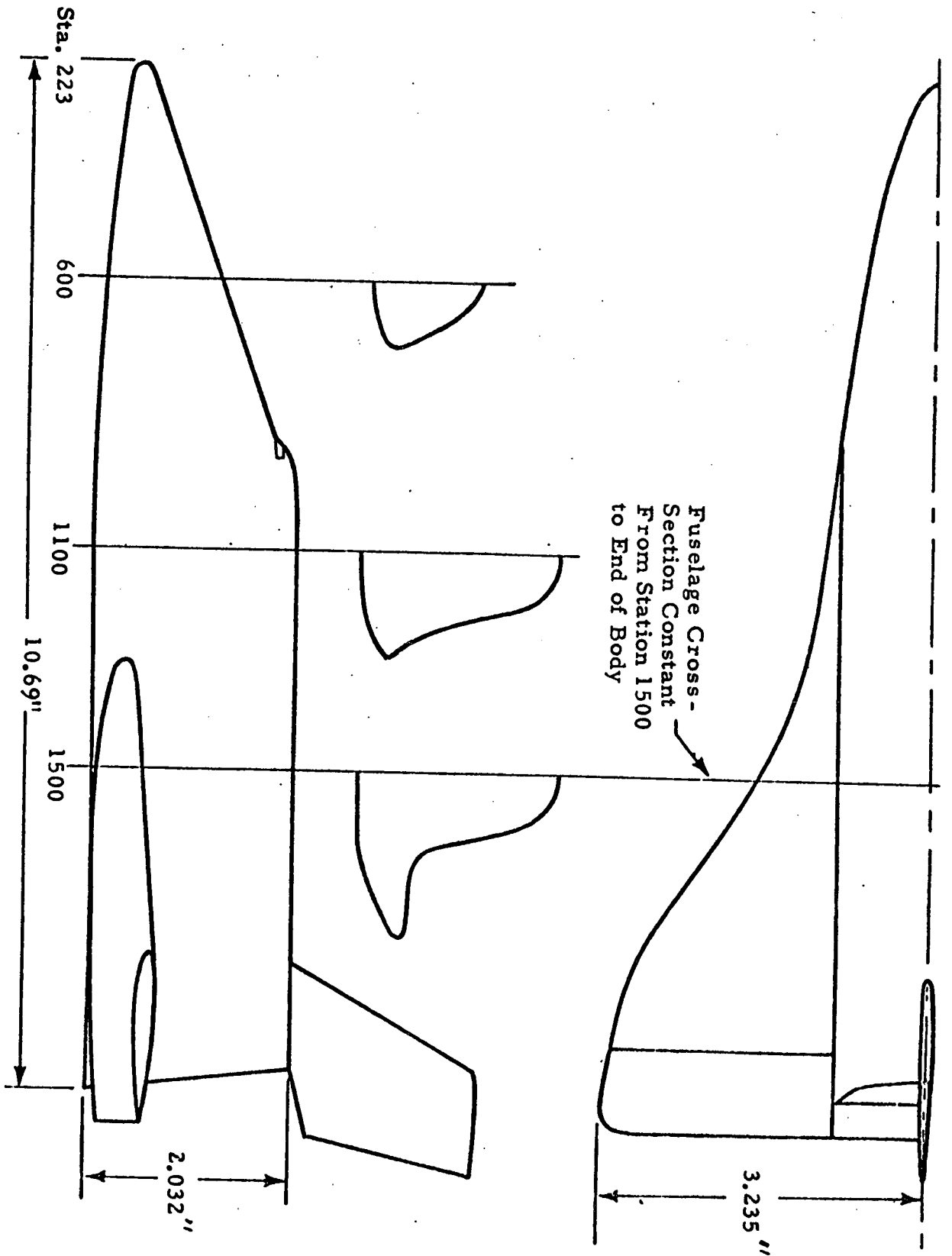


Fig. 3 - Modifications to Orbiter Model

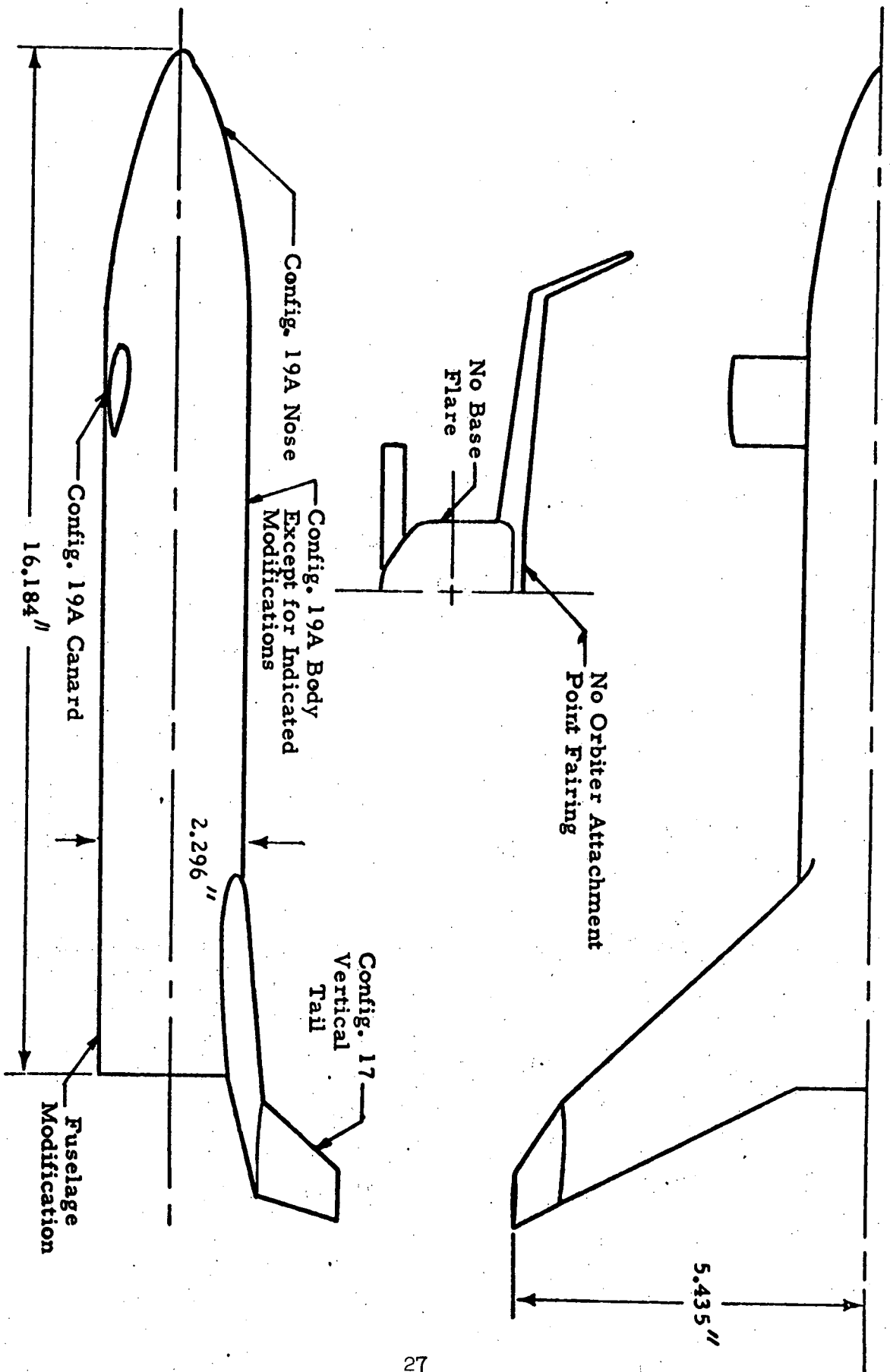


Fig. 4 - Modifications to Booster Model

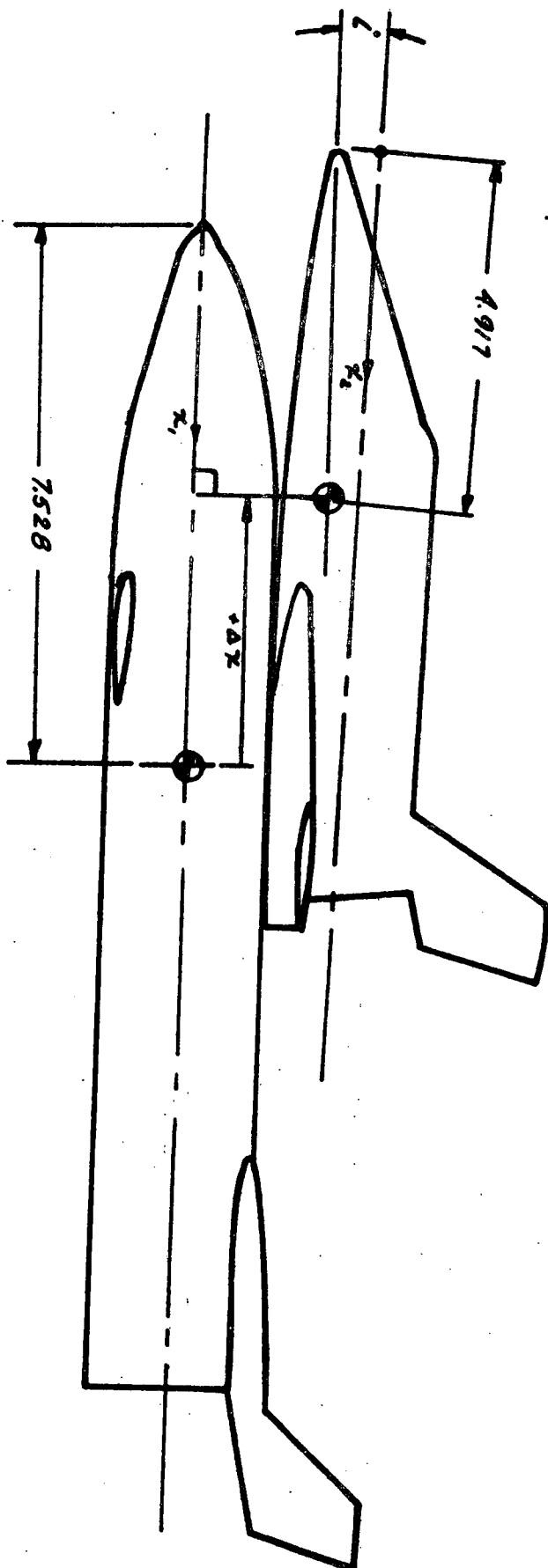
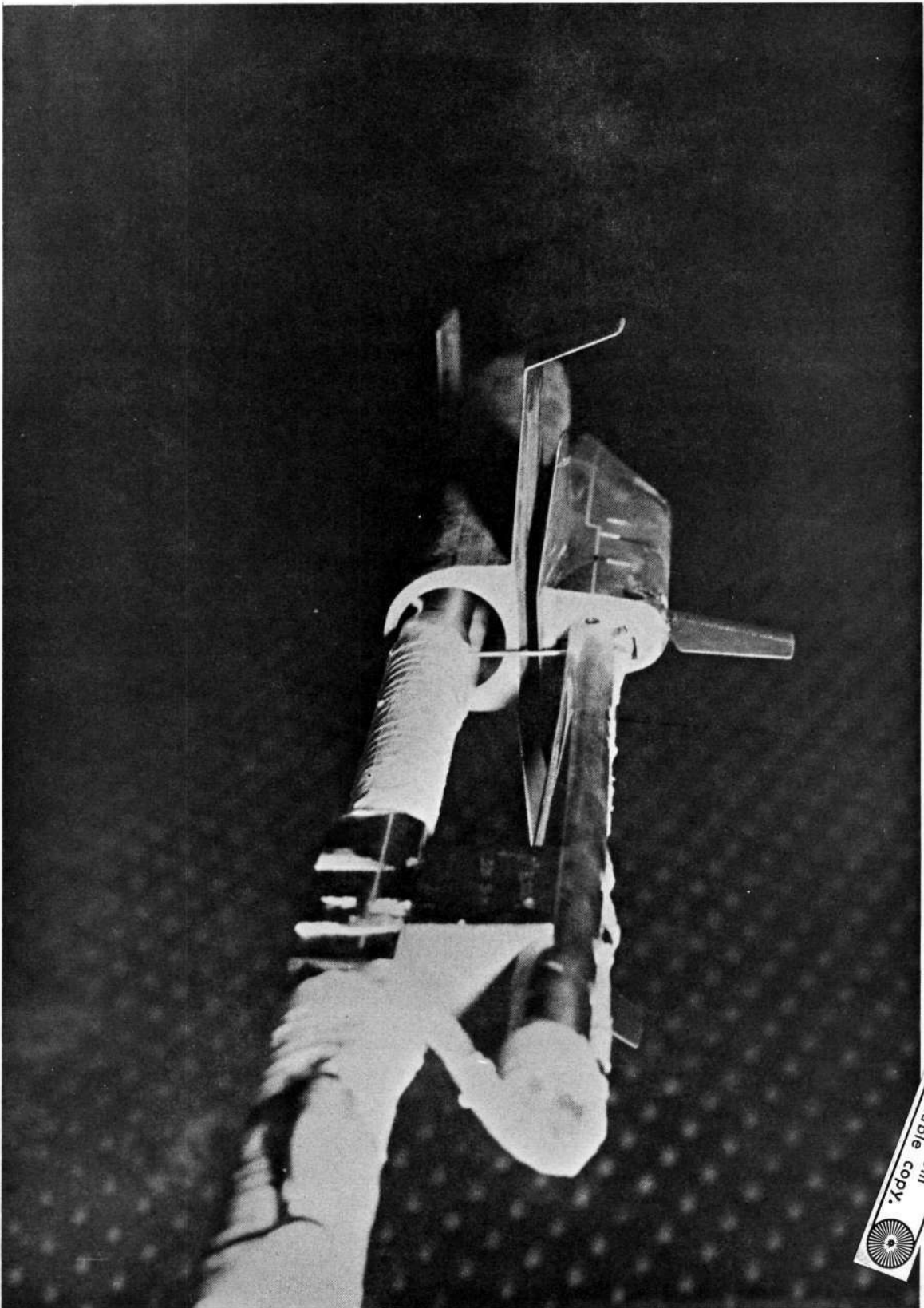


Figure 5: Model Separation Variables



Reproduced from
best available copy.

Figure 6. Rear View of Models and Test Apparatus

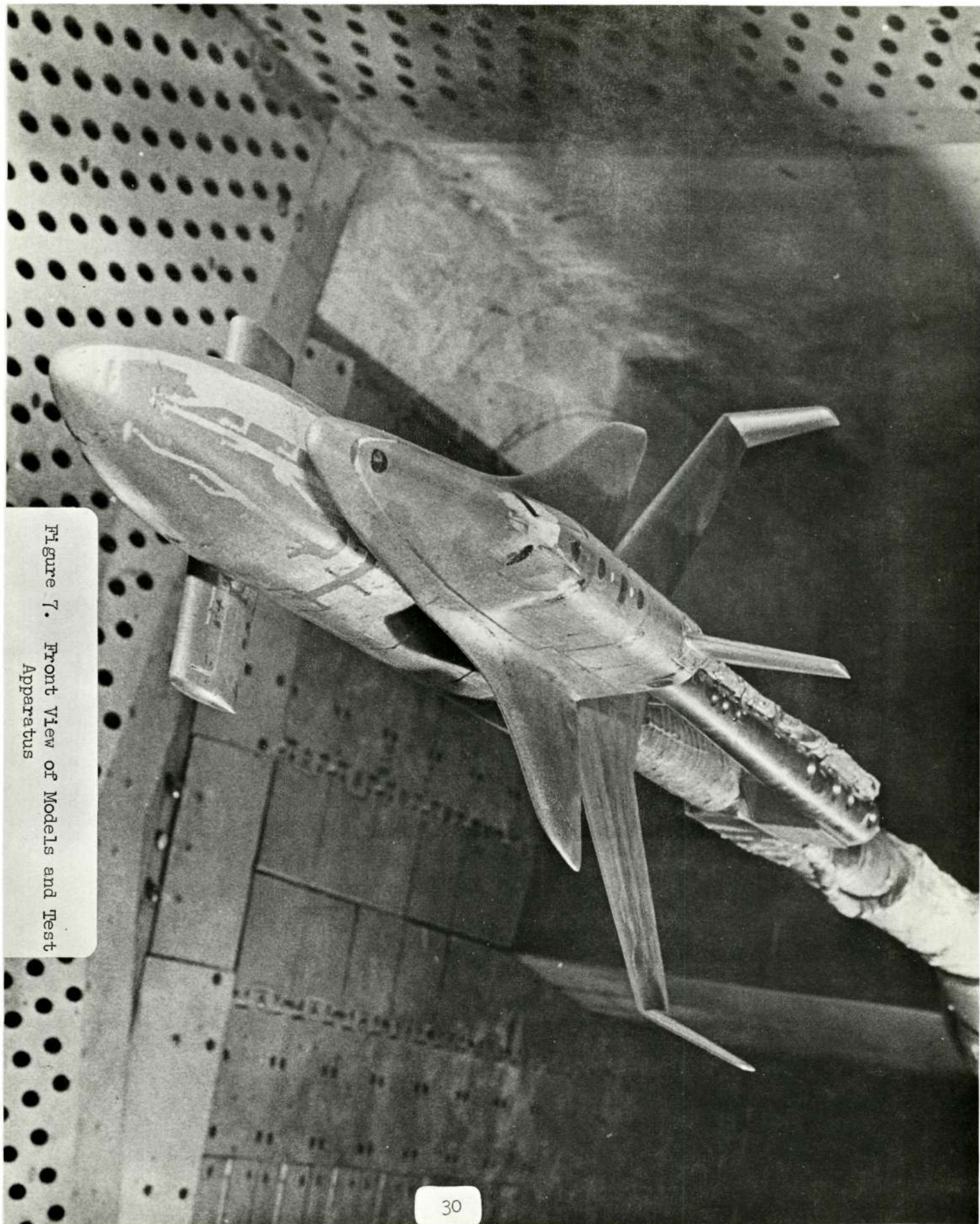
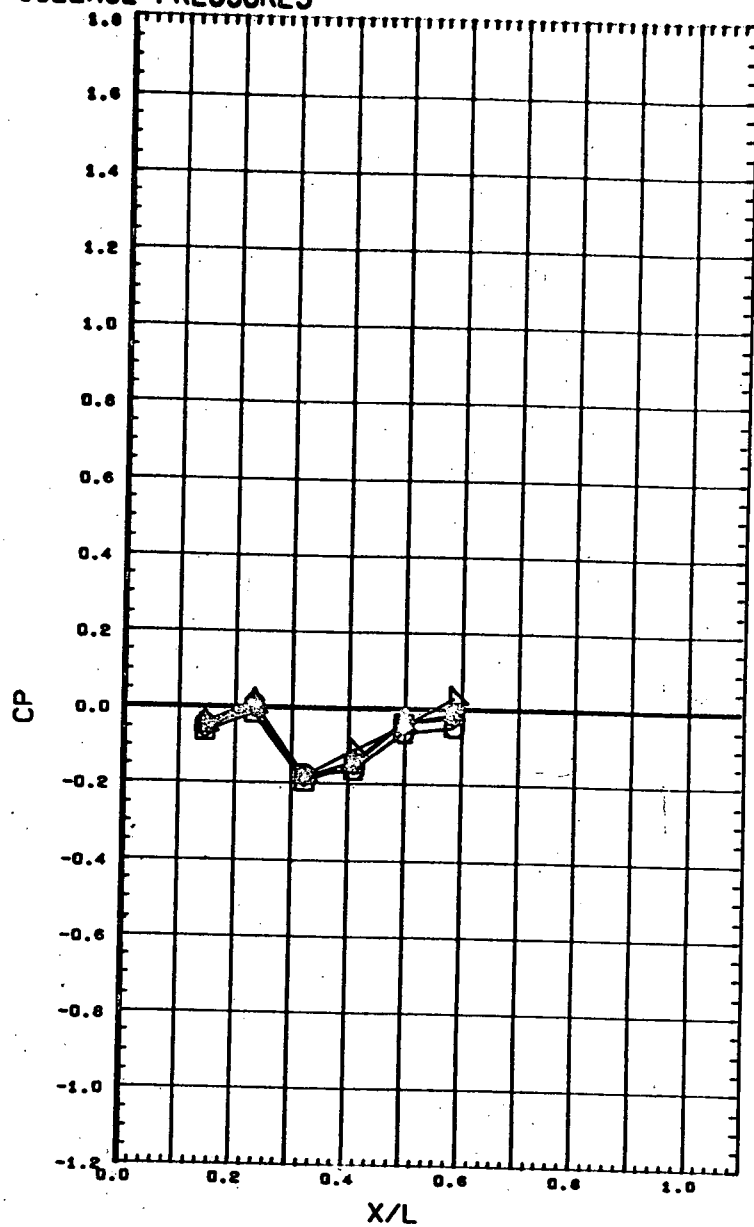
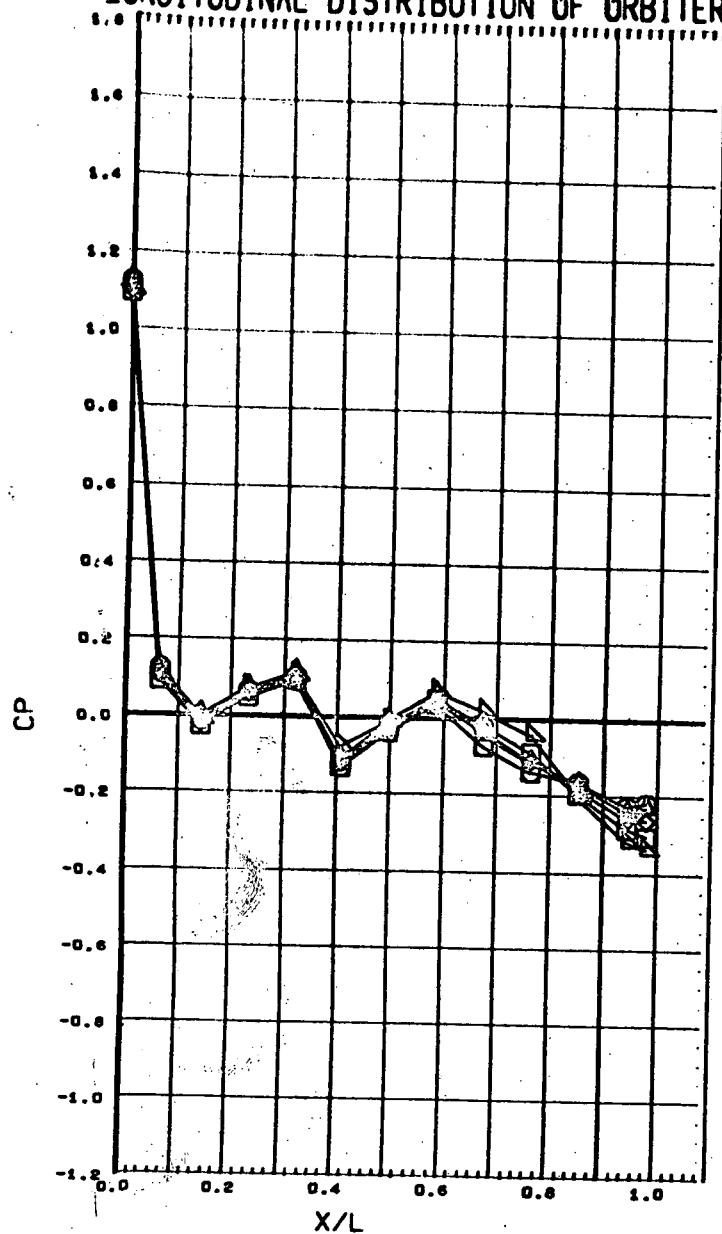


Figure 7. Front View of Models and Test Apparatus

DATA FIGURES

Tabulations of the plotted data and corresponding source data are available from SADSAC Operations.

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	7.935	0.000	0.600
△	5.896	0.076	
◇	4.415		
□	2.278		
◇	0.122		

REFERENCE FILE

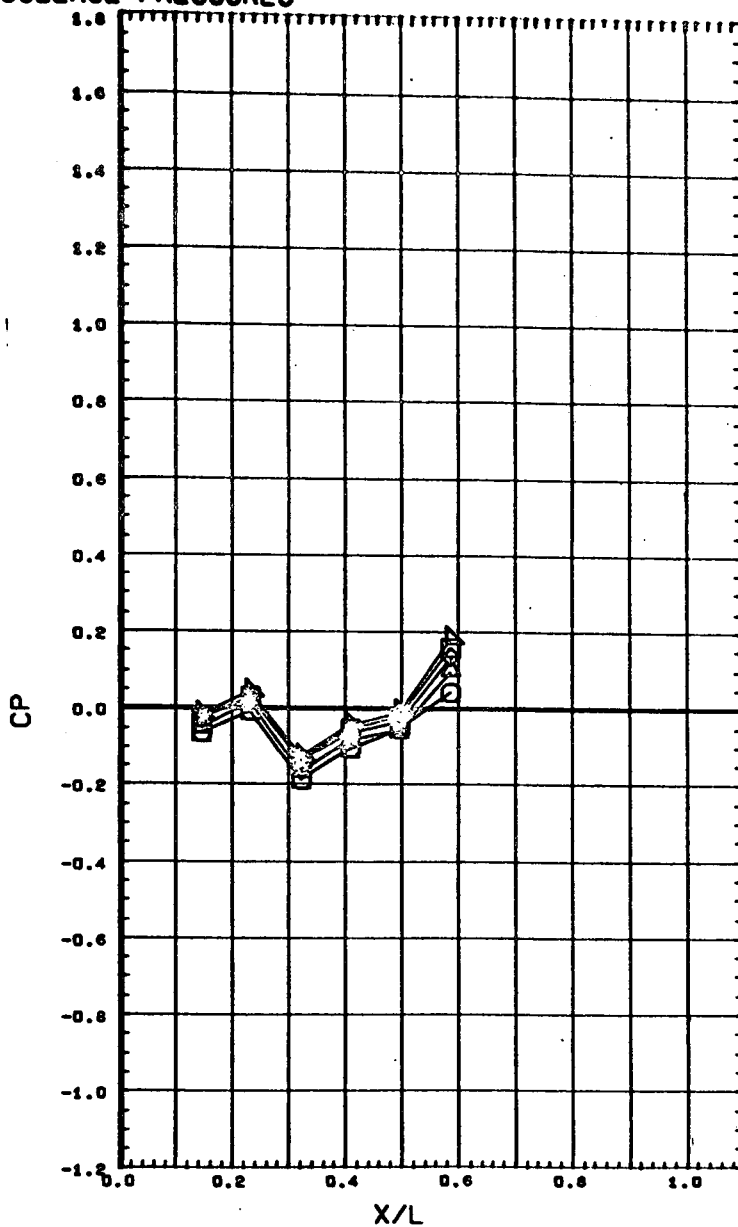
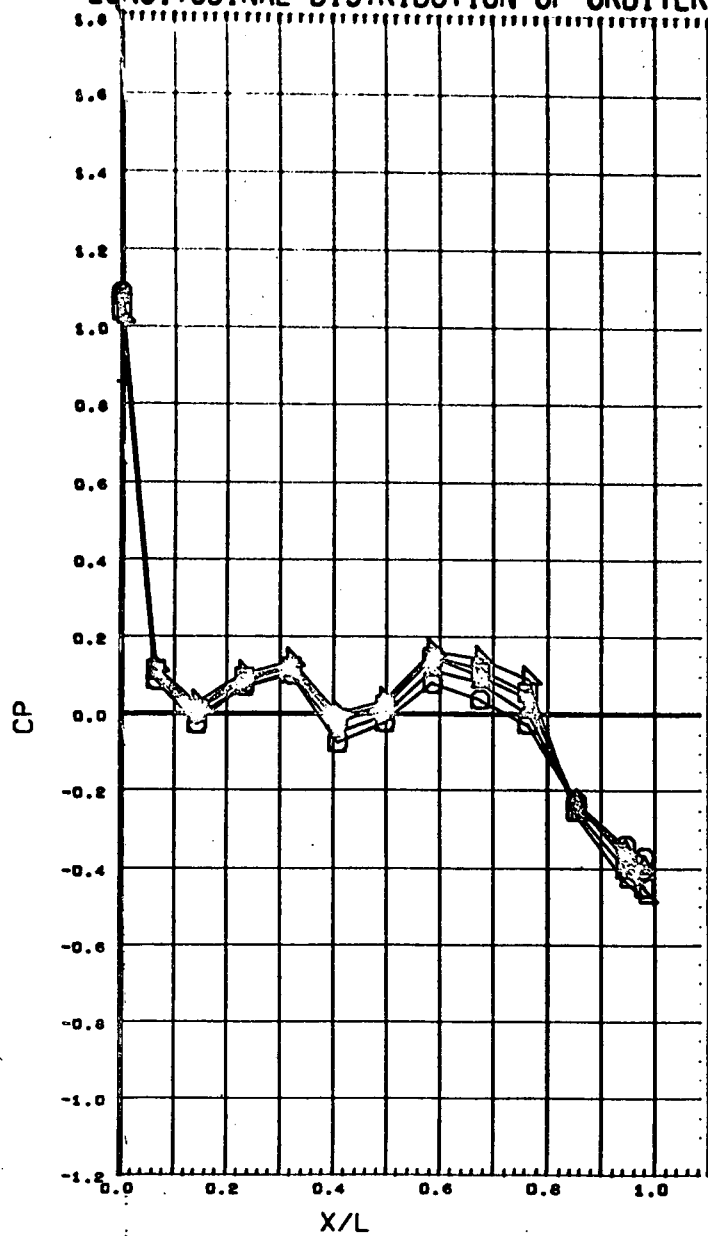
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC001)

PAGE 1

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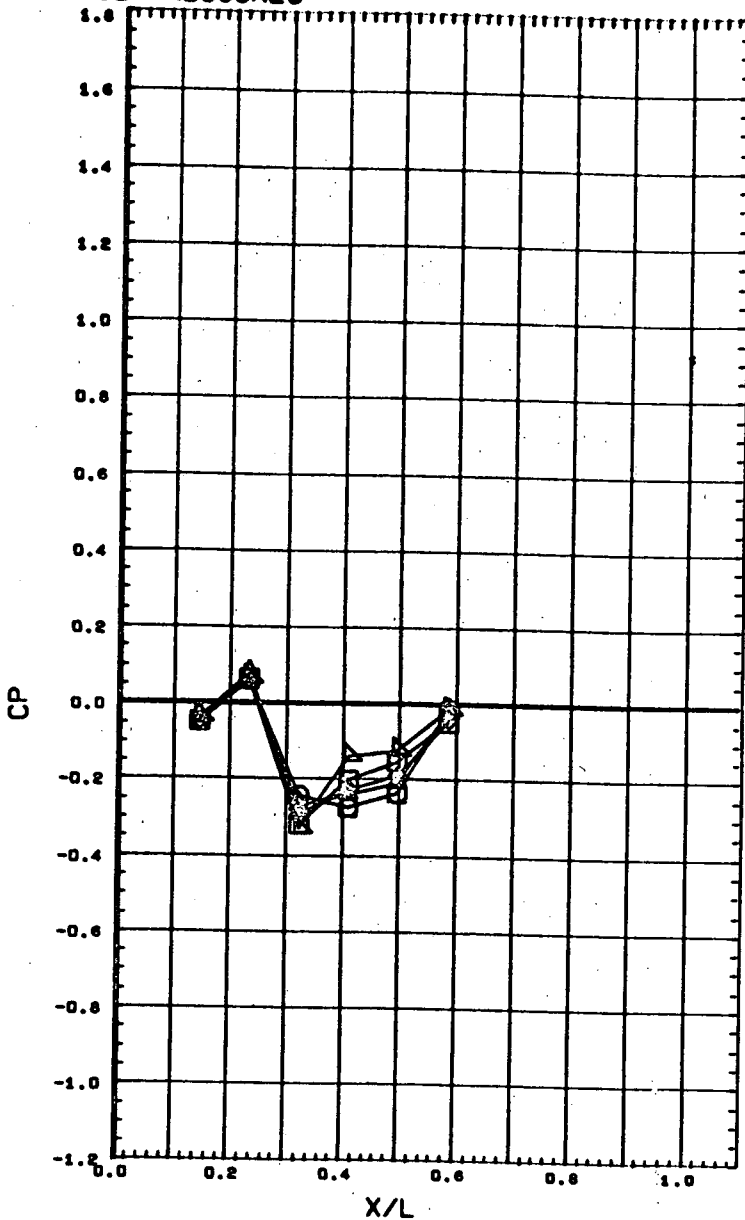
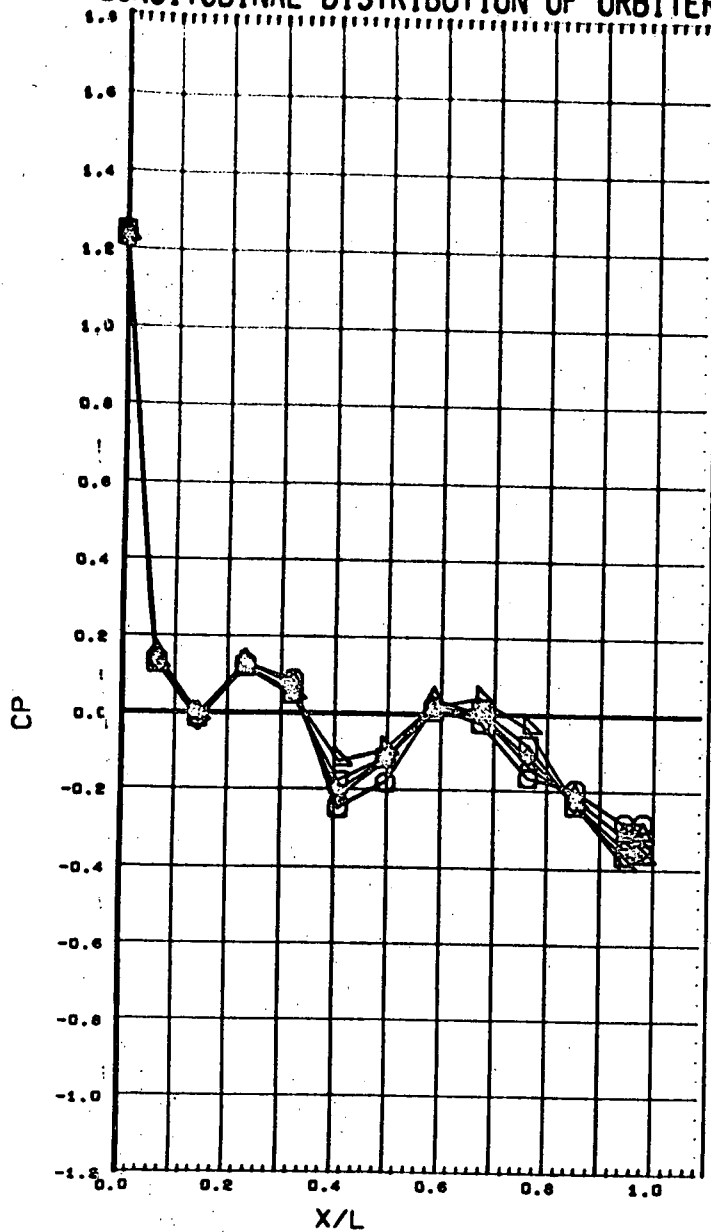


SYMBOL	ALFB	Y/B	M1
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△	4.089	0.076	
◇	5.583		
□	8.037		
▽	10.078		

REFERENCE FILE

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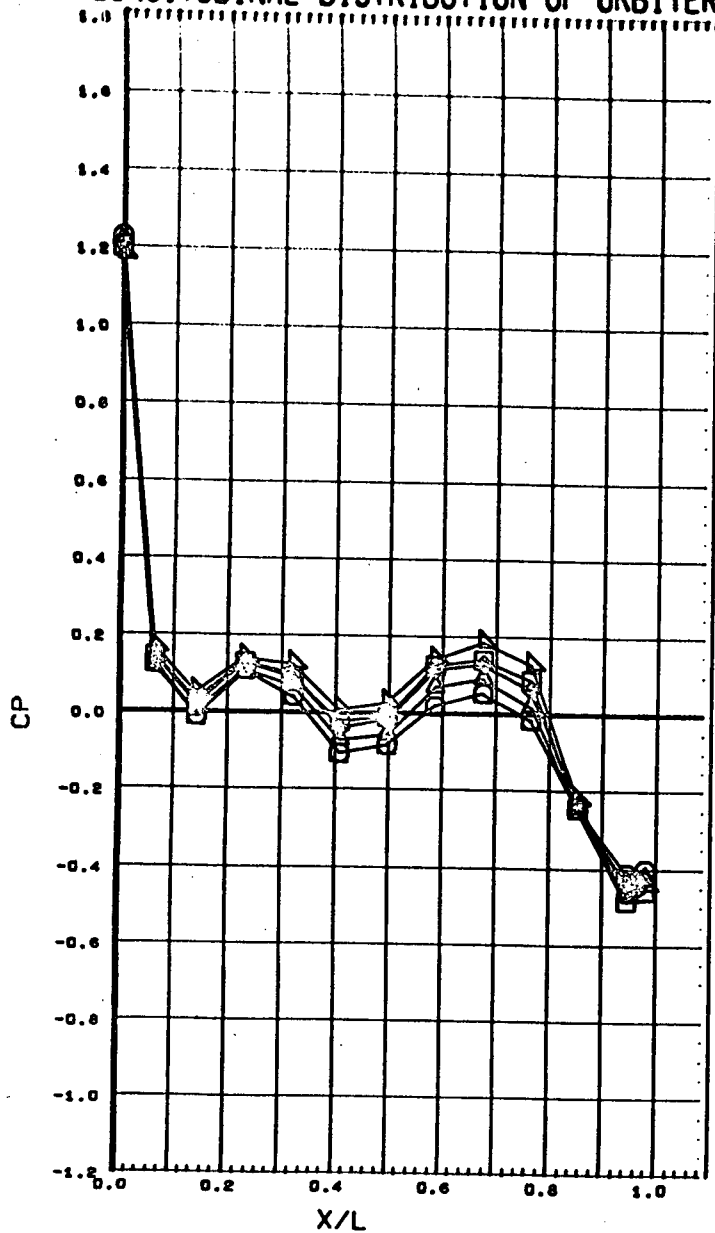


SYMBOL	ALFB	Y/B	M1
◇	0.137	0.000	0.894
△	5.806	0.076	
○	3.831		
□	1.836		
	0.154		

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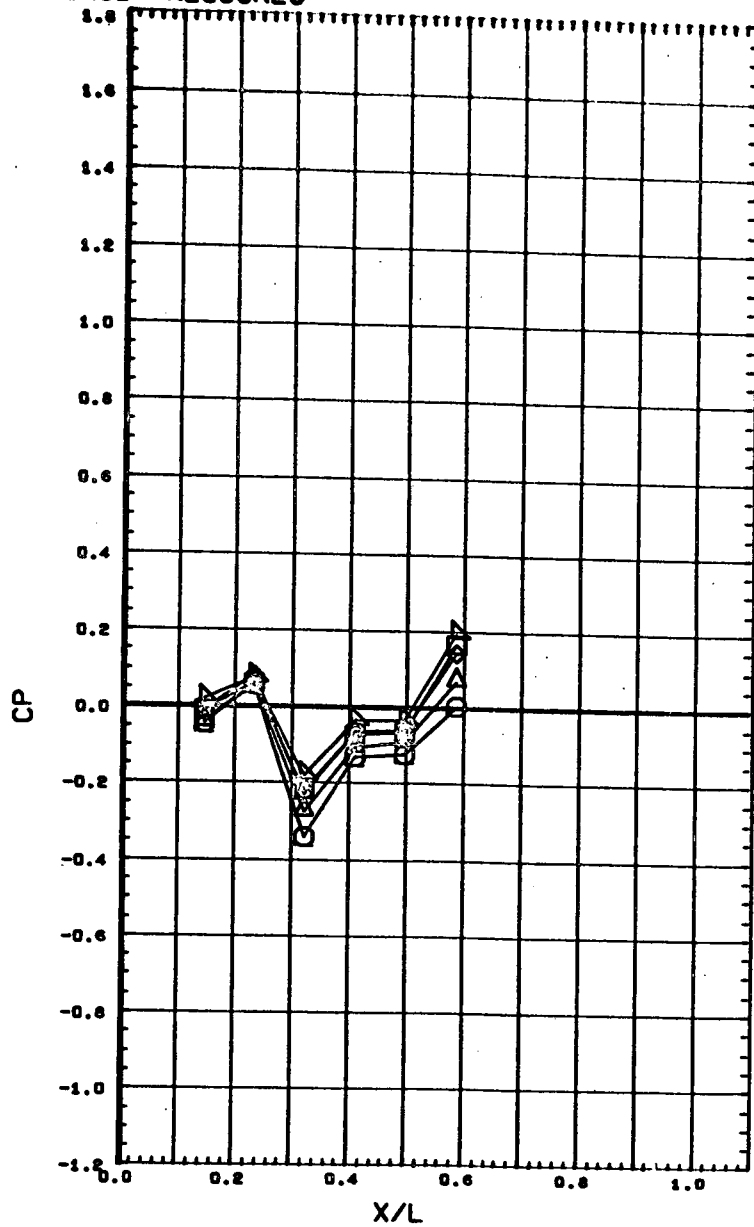
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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



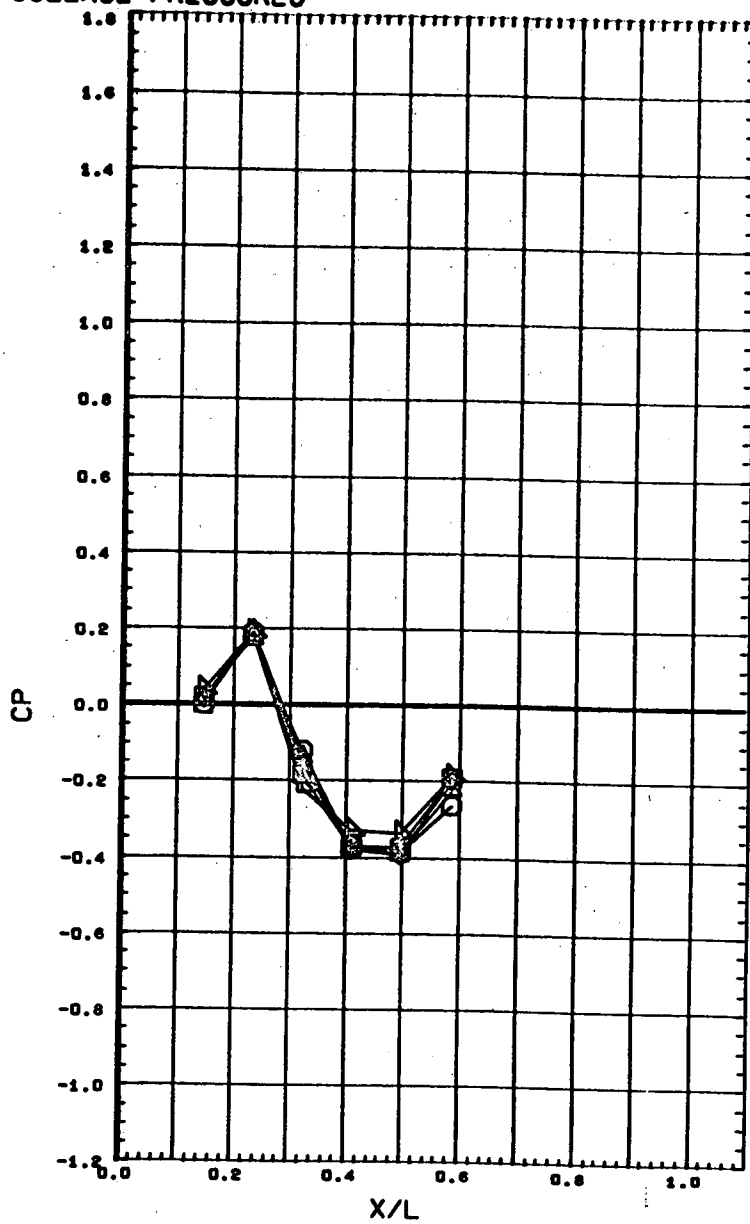
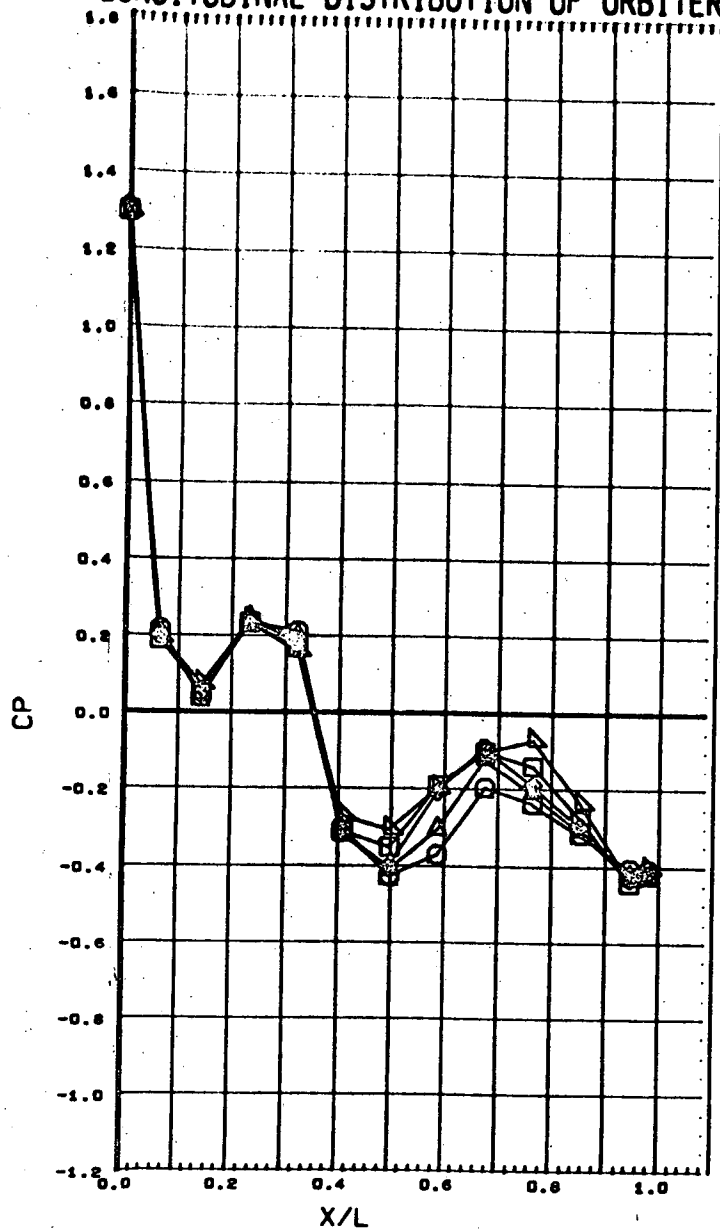
SYMBOL	ALFB	Y/B	M1
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◇	3.746	0.076	
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□	8.138		
▽	10.120		

REFERENCE FILE



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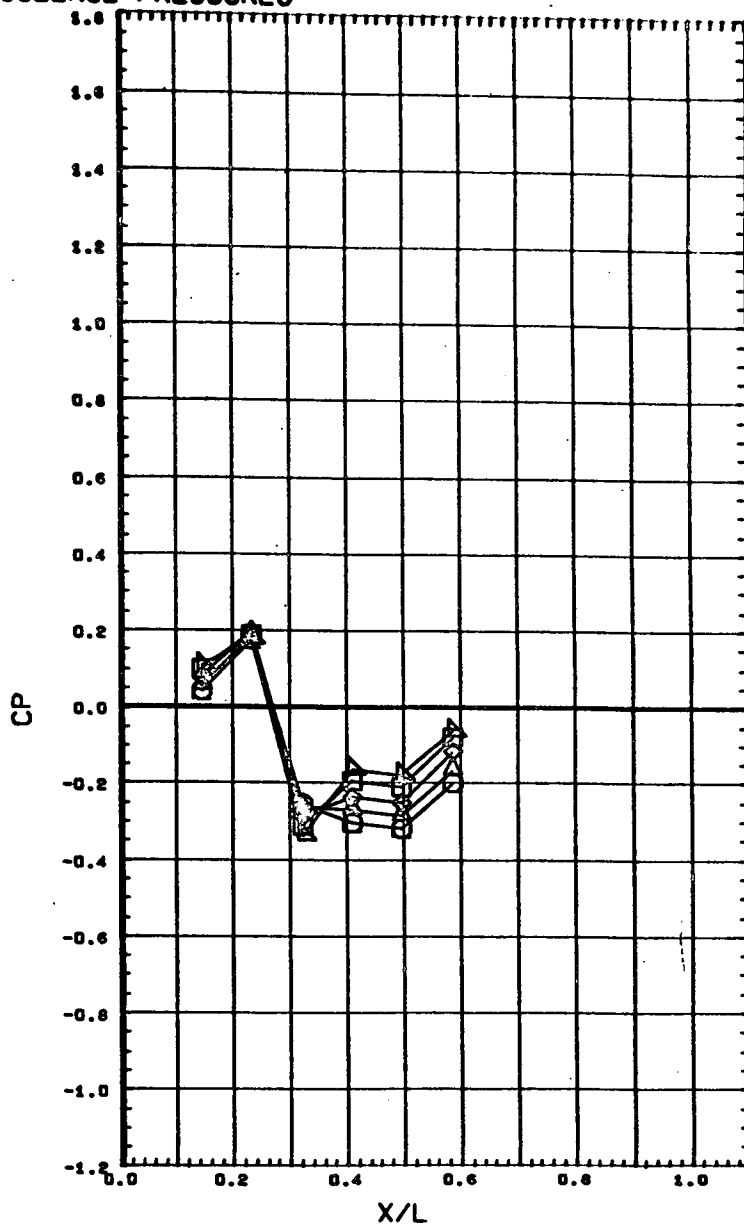
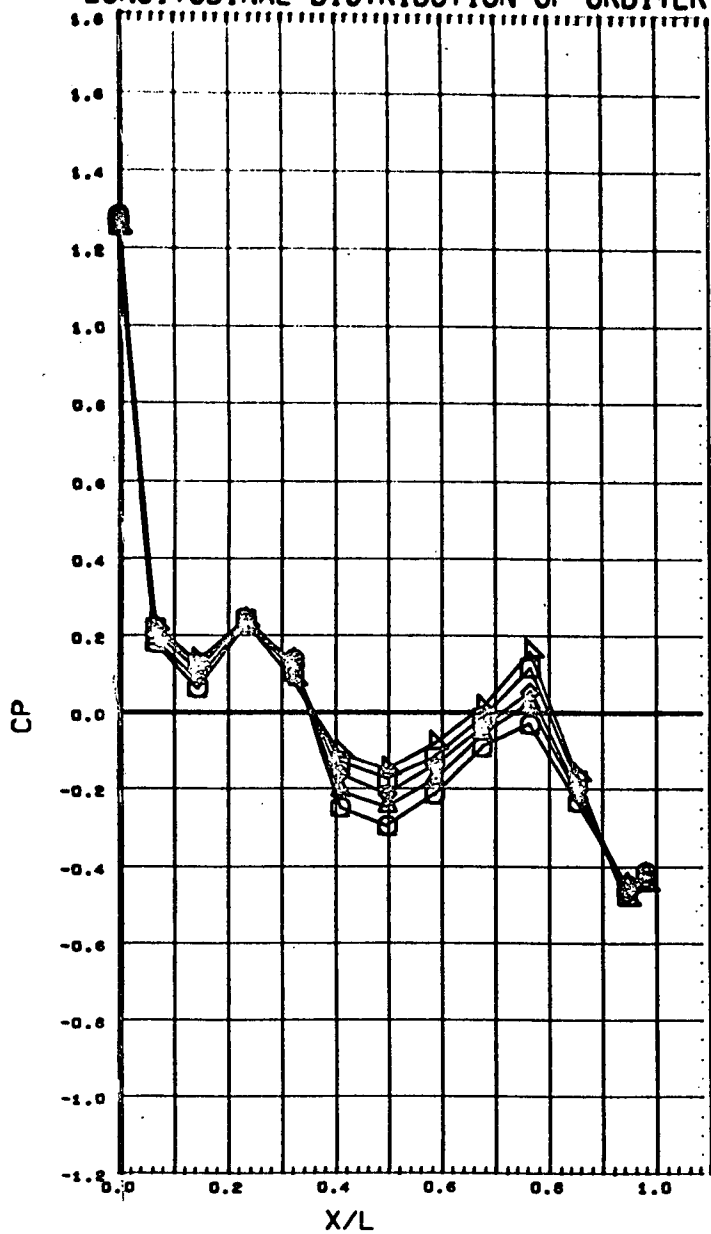


SYMBOL	ALFB	Y/B	M1
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◇	- 4.421		
□	- 2.227		
◇	0.197		

REFERENCE FILE

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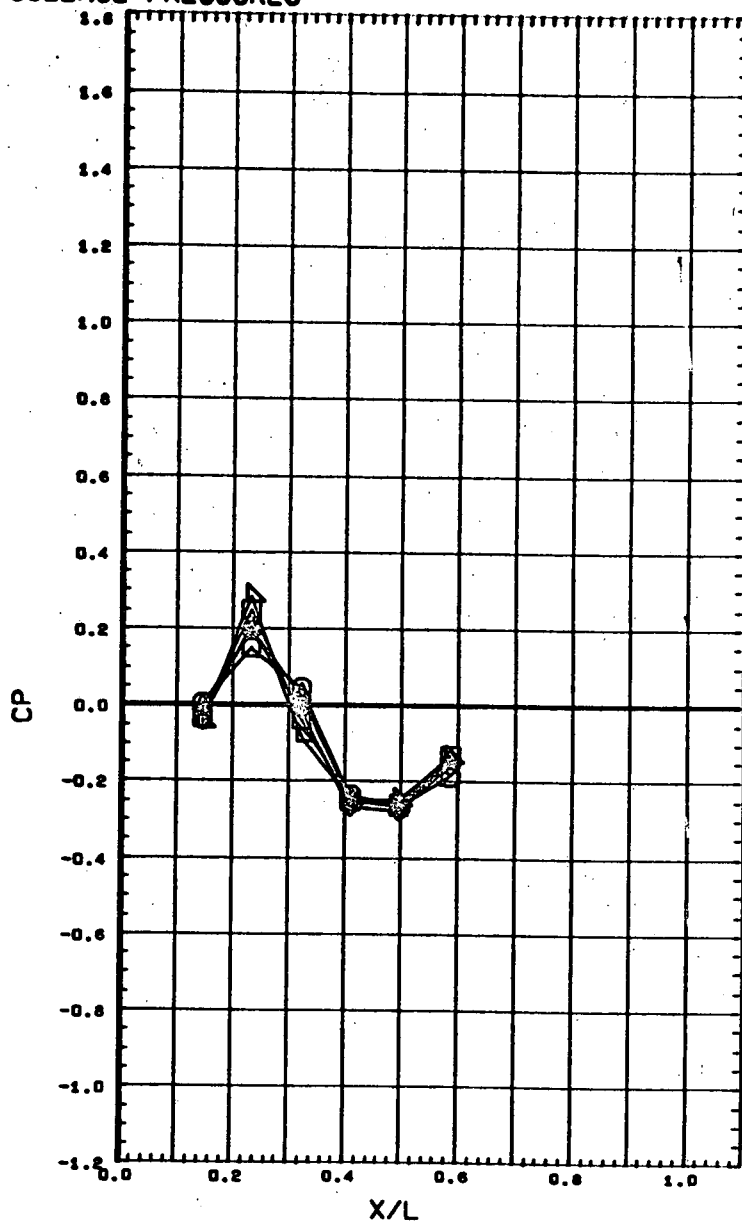
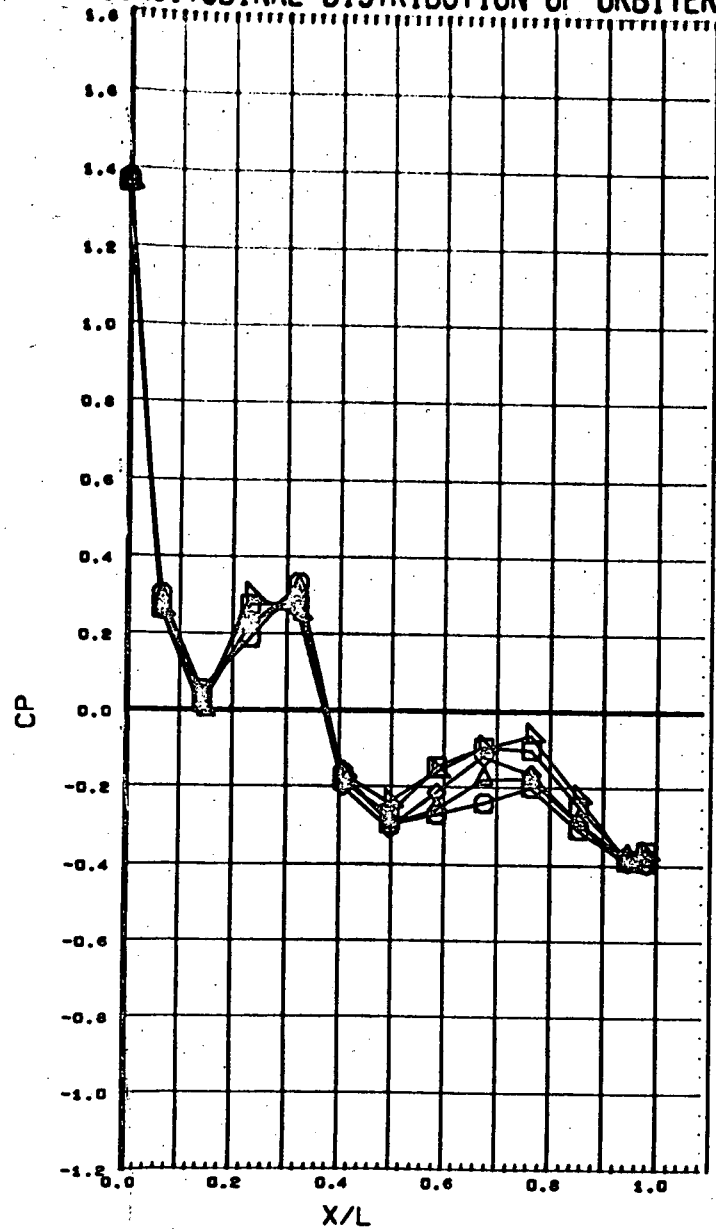


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◇	6.073		
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■	10.265		

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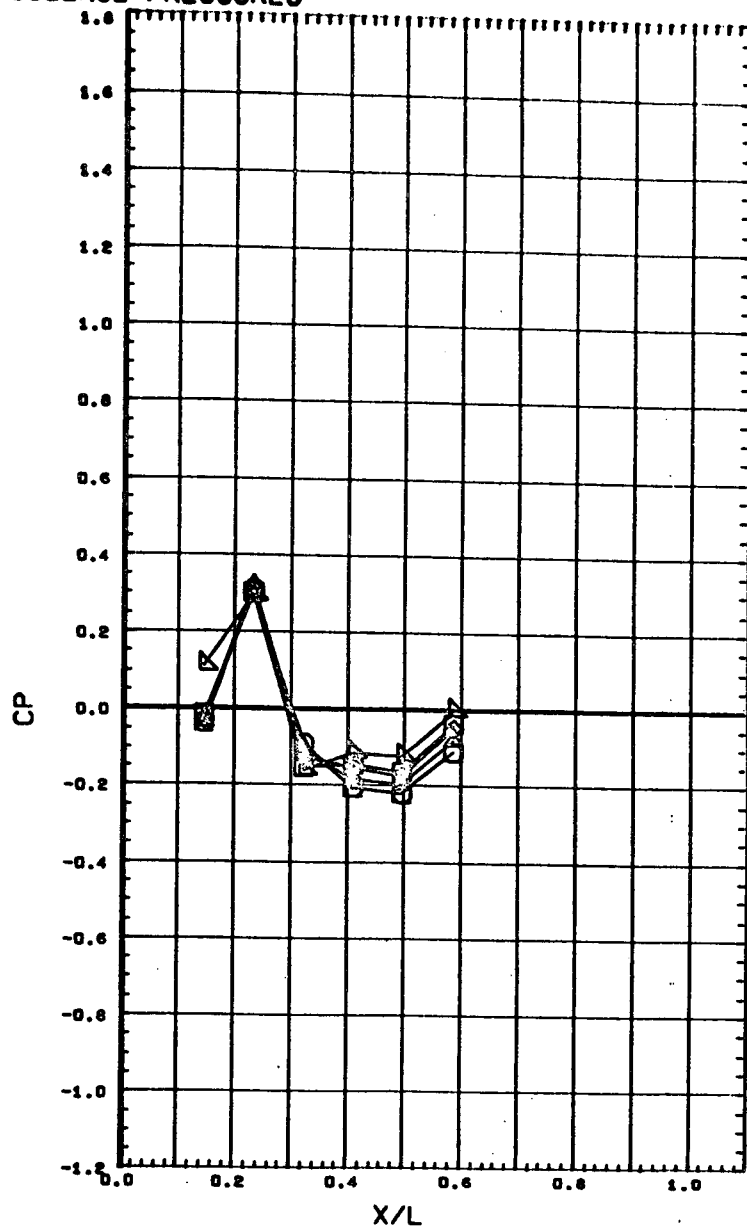
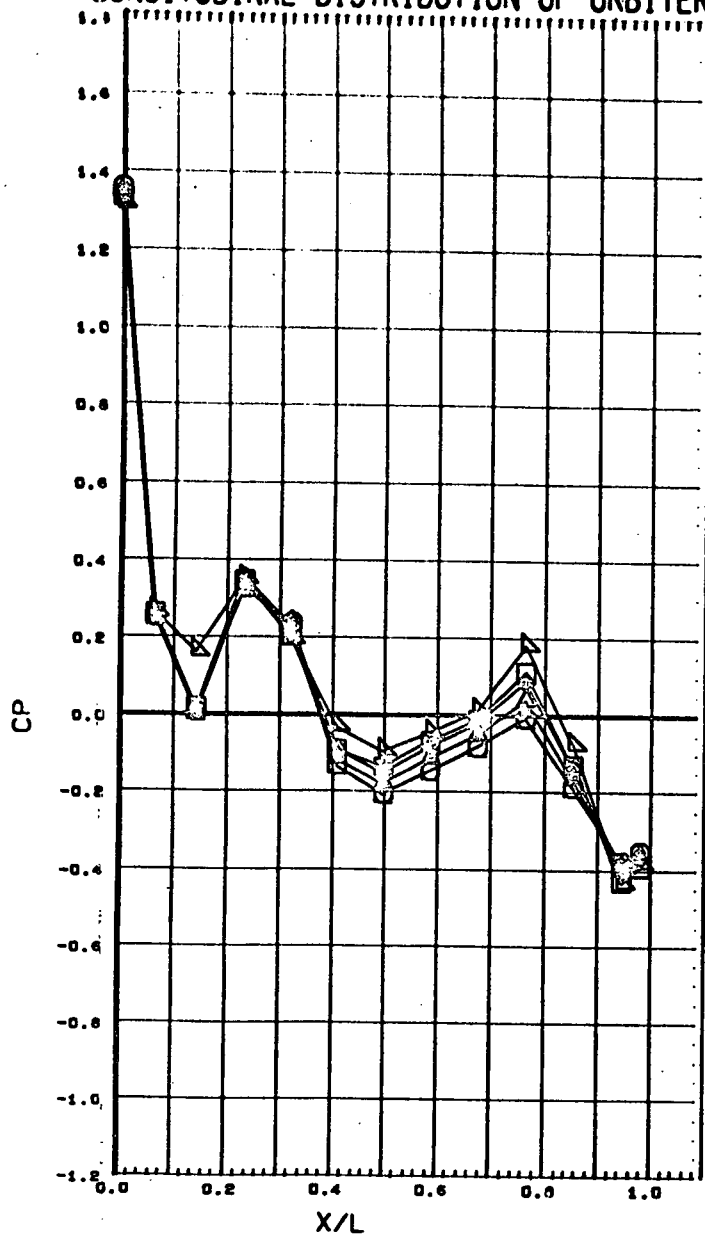


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○	- 5.772	0.076	
◇	- 3.796		
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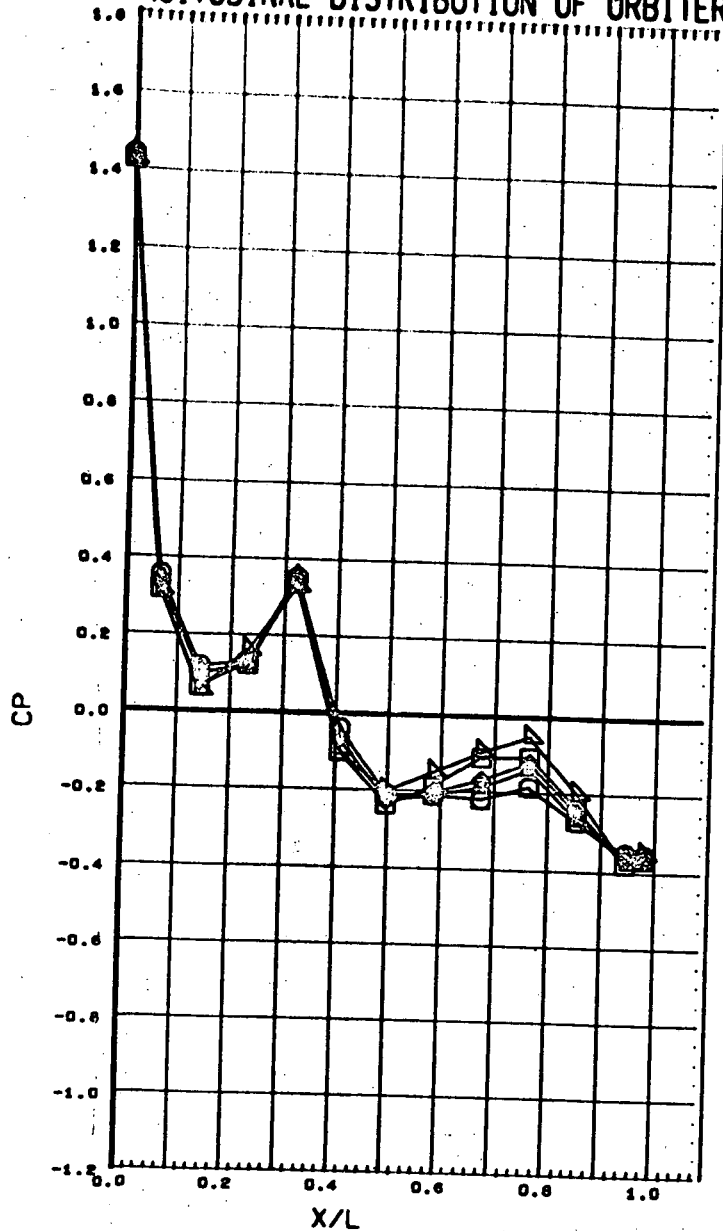


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□	7.758		
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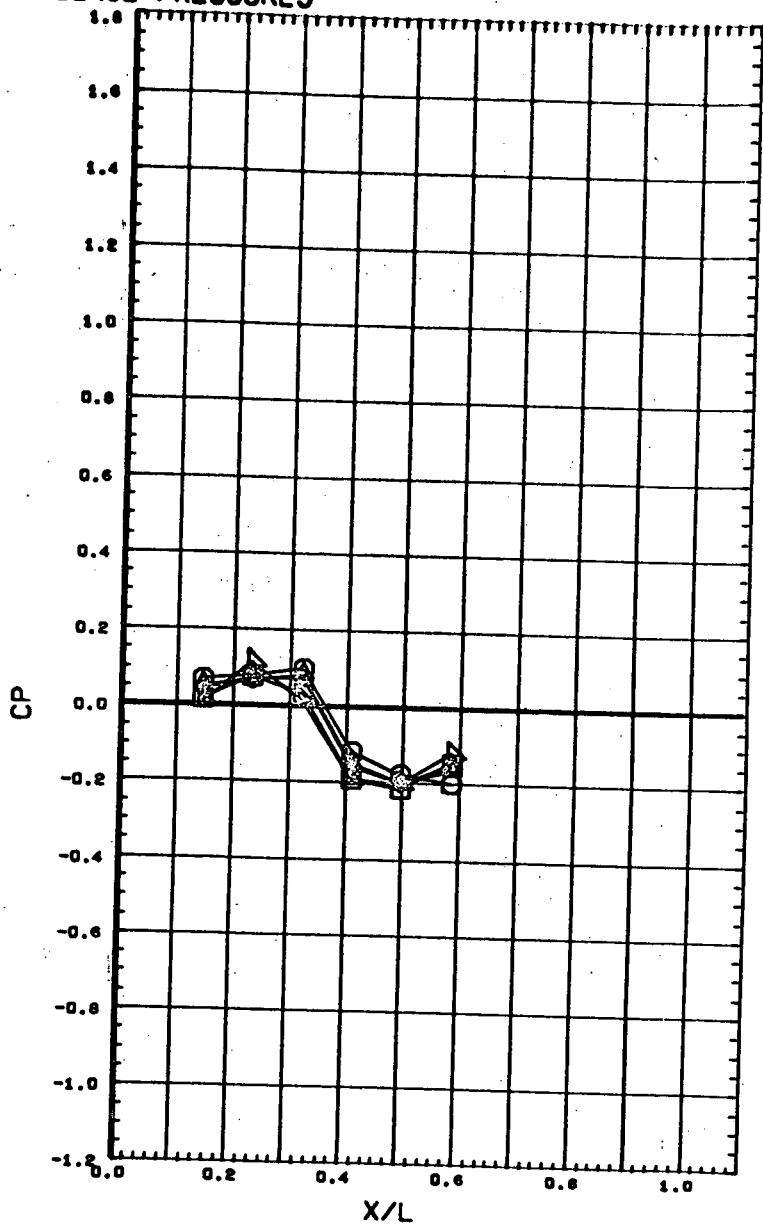
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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
◇	0.312	0.000	1.199
△	5.768	0.076	
□	4.439		
○	2.183		
×	0.215		

REFERENCE FILE



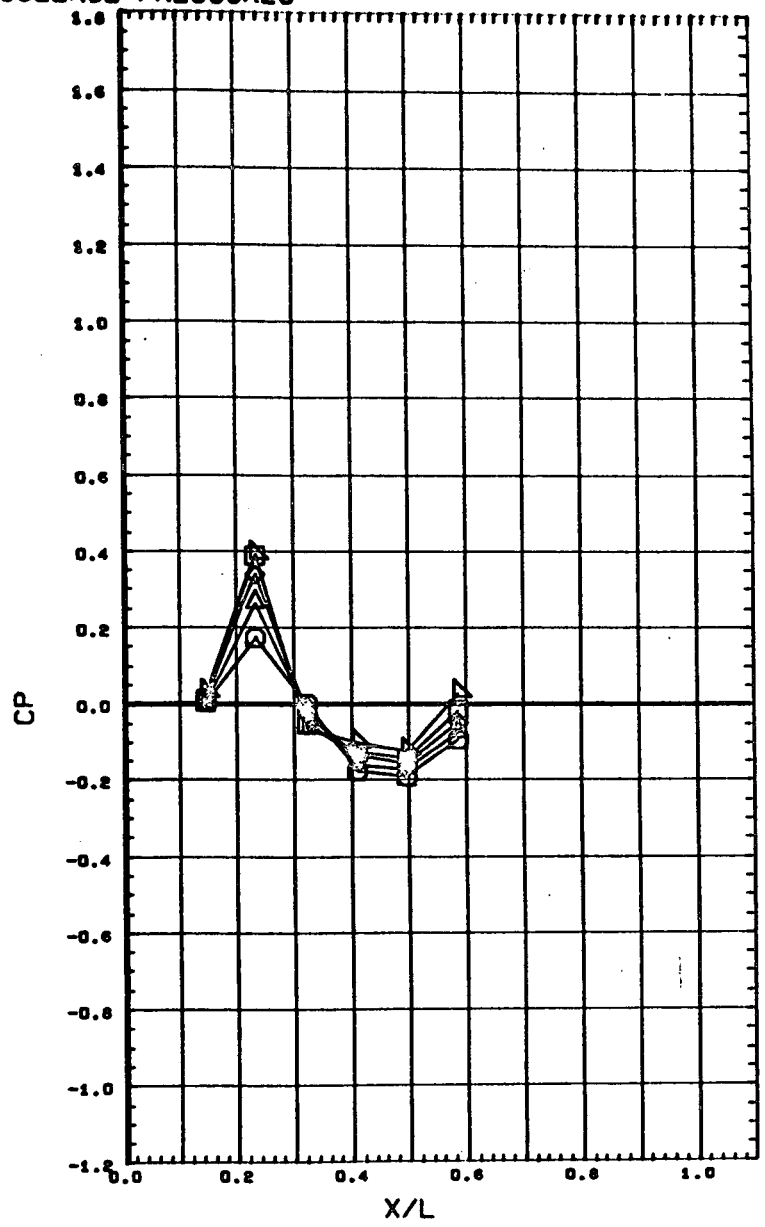
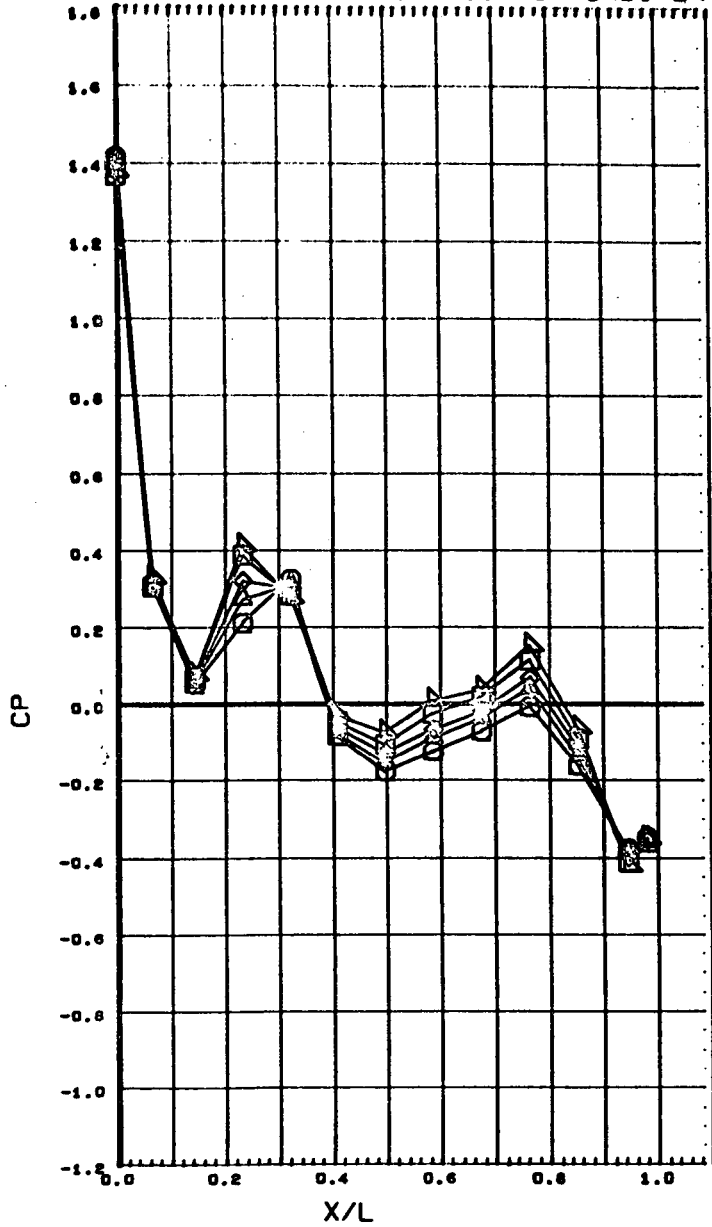
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC001)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

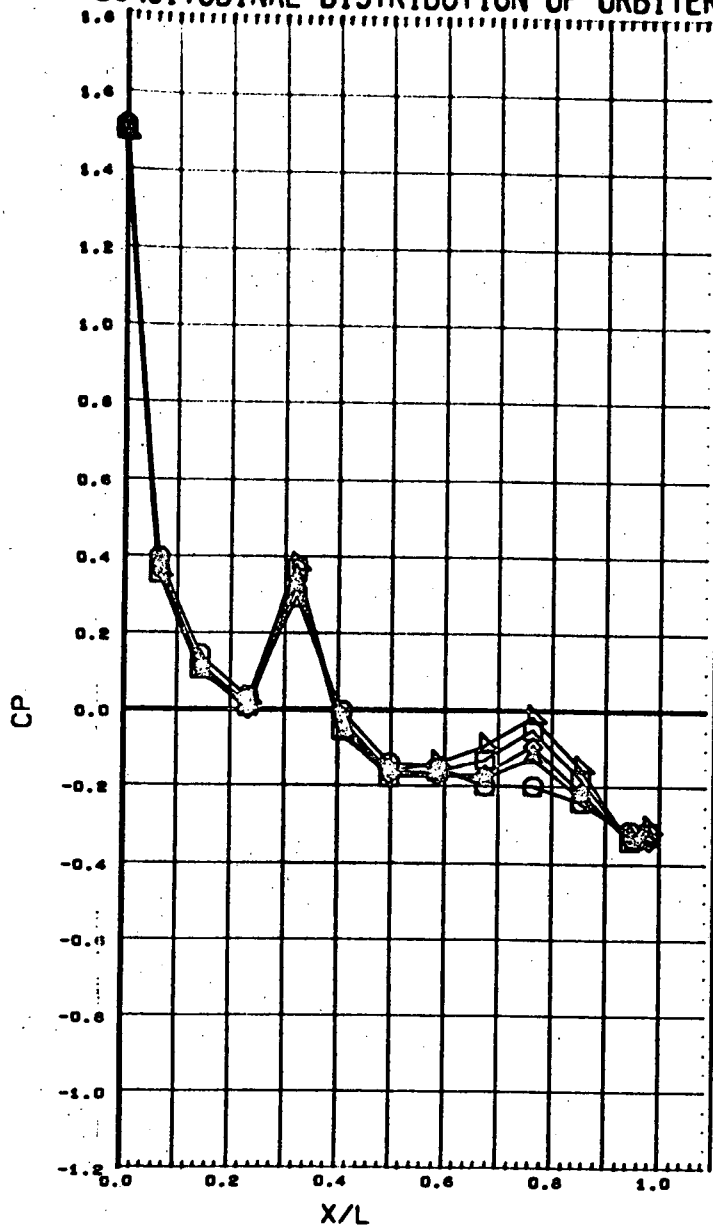


SYMBOL	ALFB	Y/B	M1
○	2.170	0.000	1.199
△	4.167	0.076	
◇	5.540		
□	6.201		
◇	10.161		

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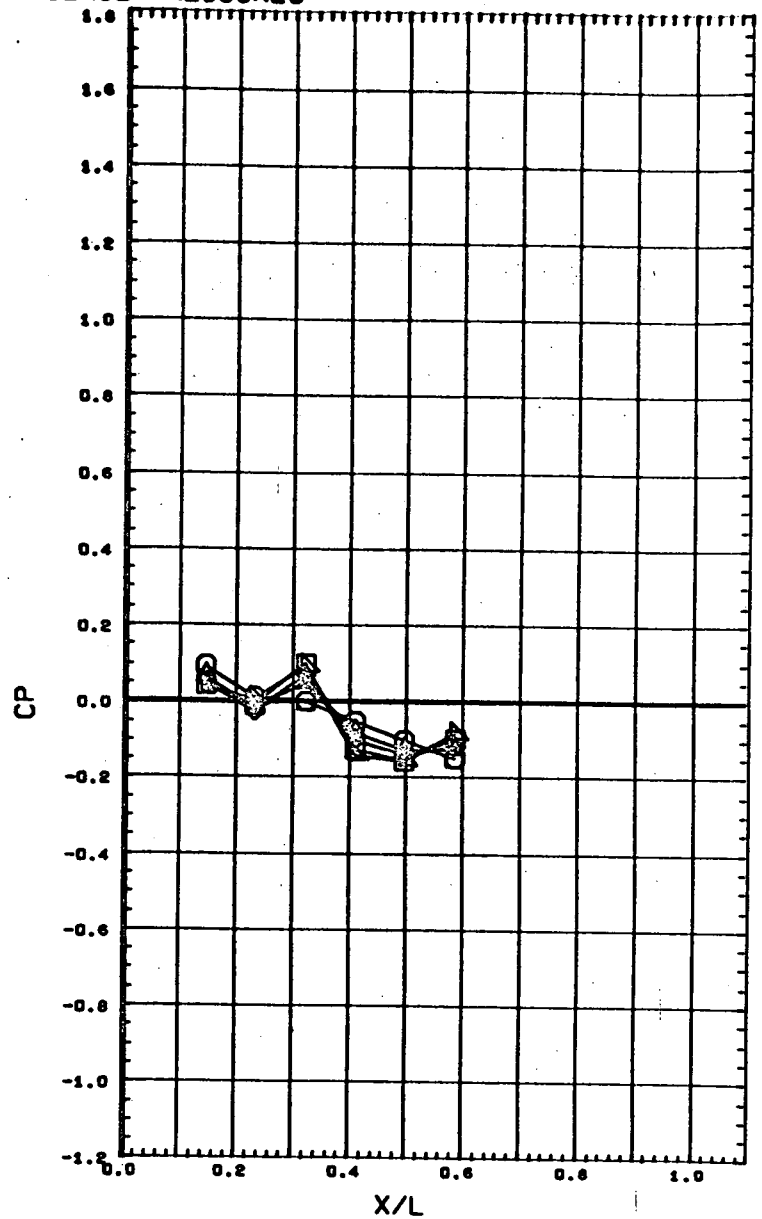
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	8.330	0.000	1.300
△	5.772	0.076	
◇	4.443		
□	1.778		
▽	0.181		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

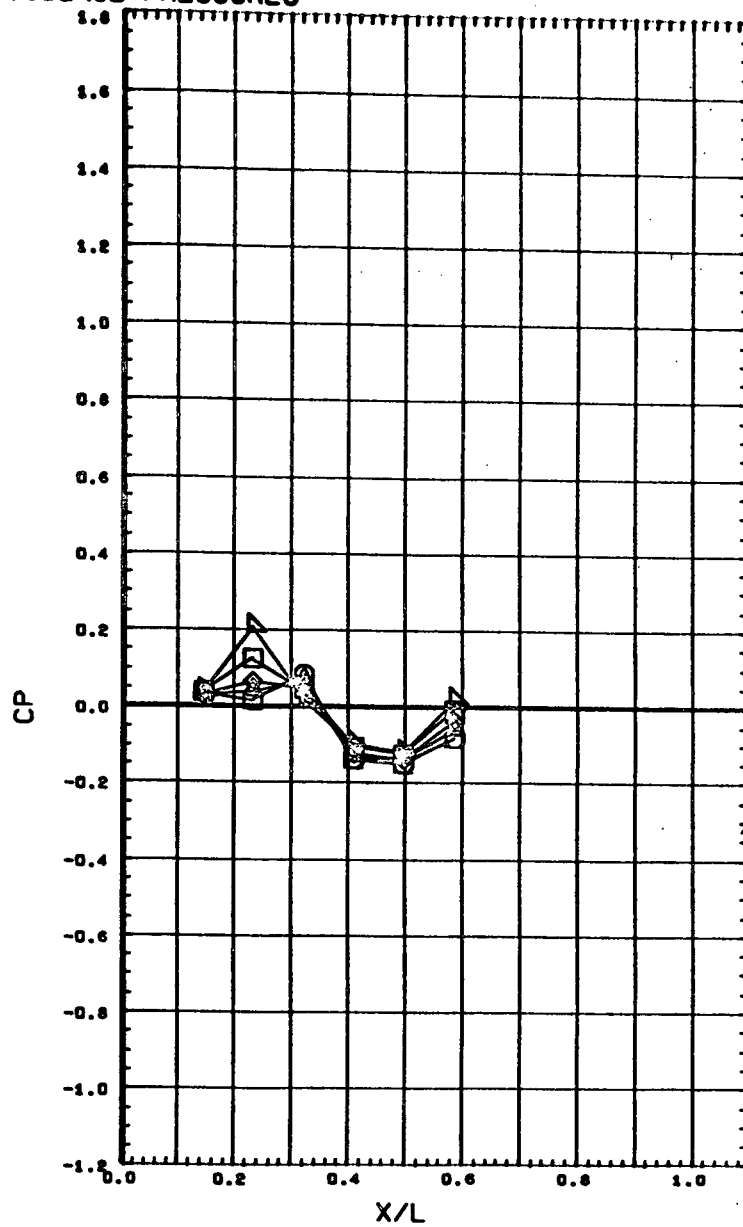
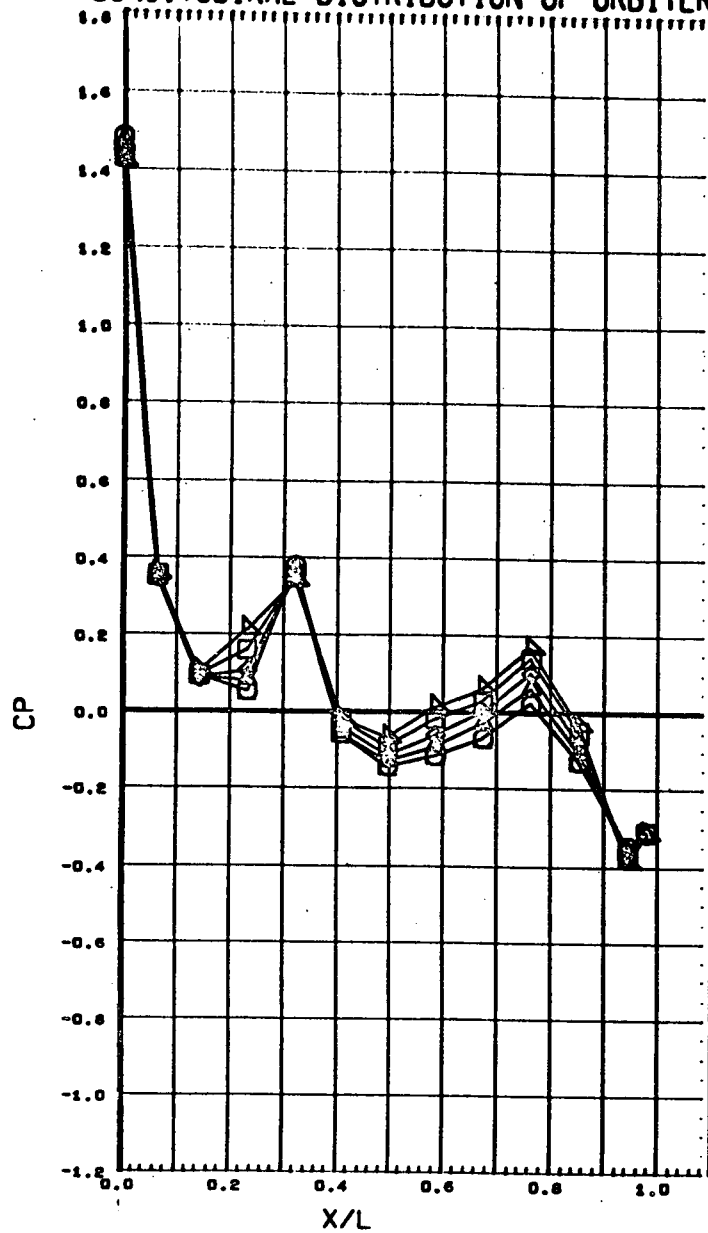


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(FTC001)

PAGE 11

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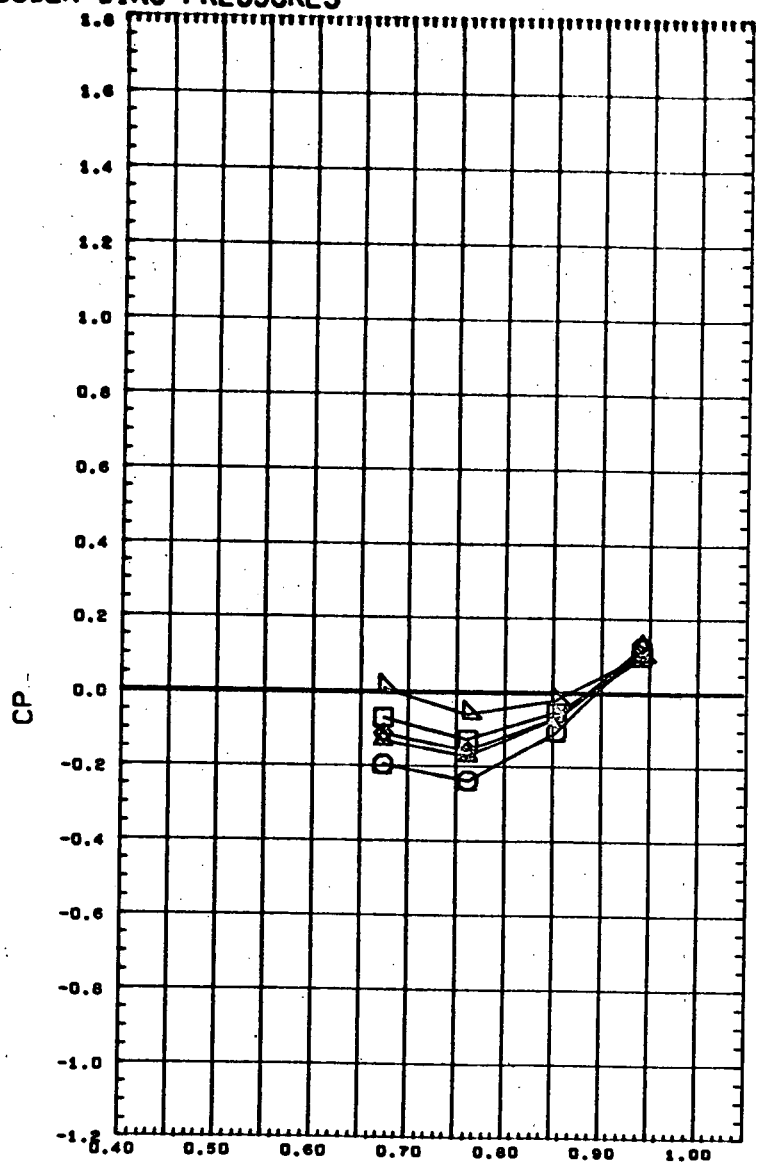
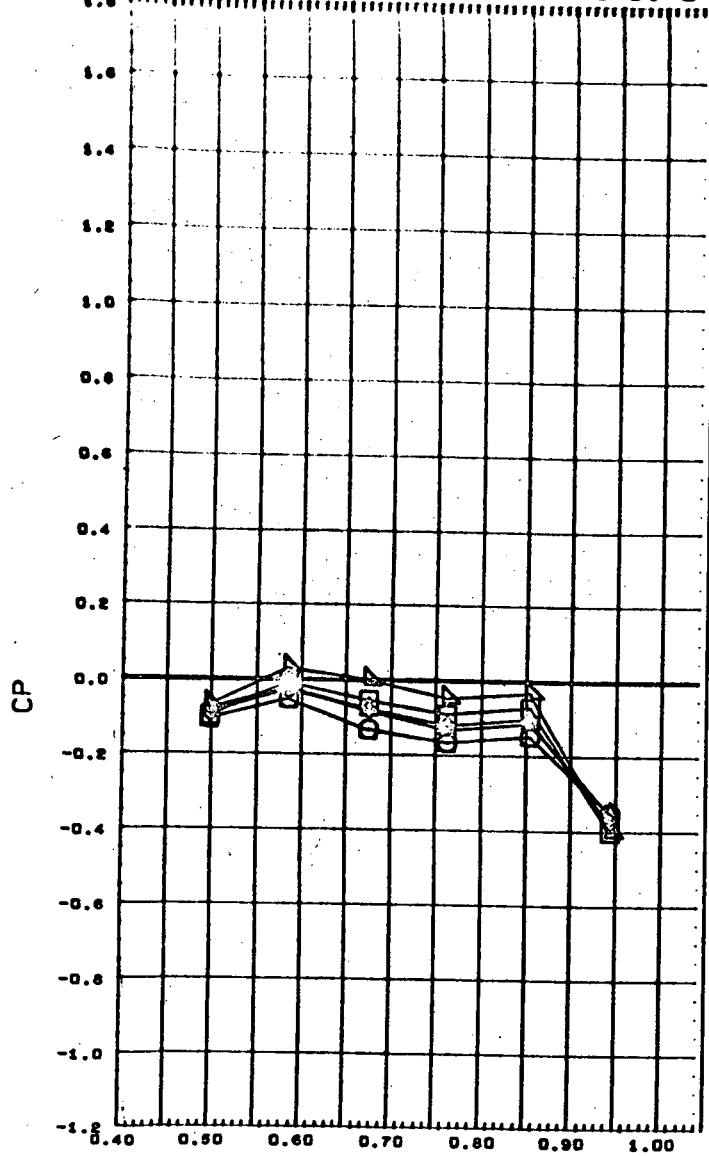


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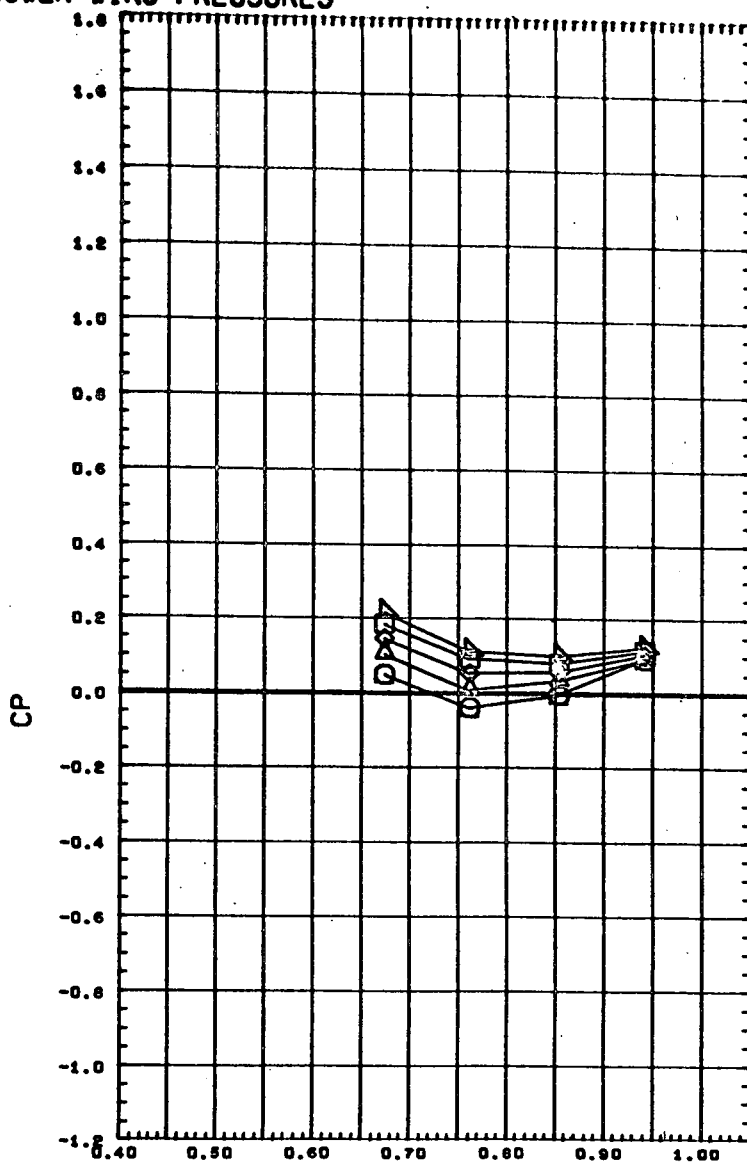
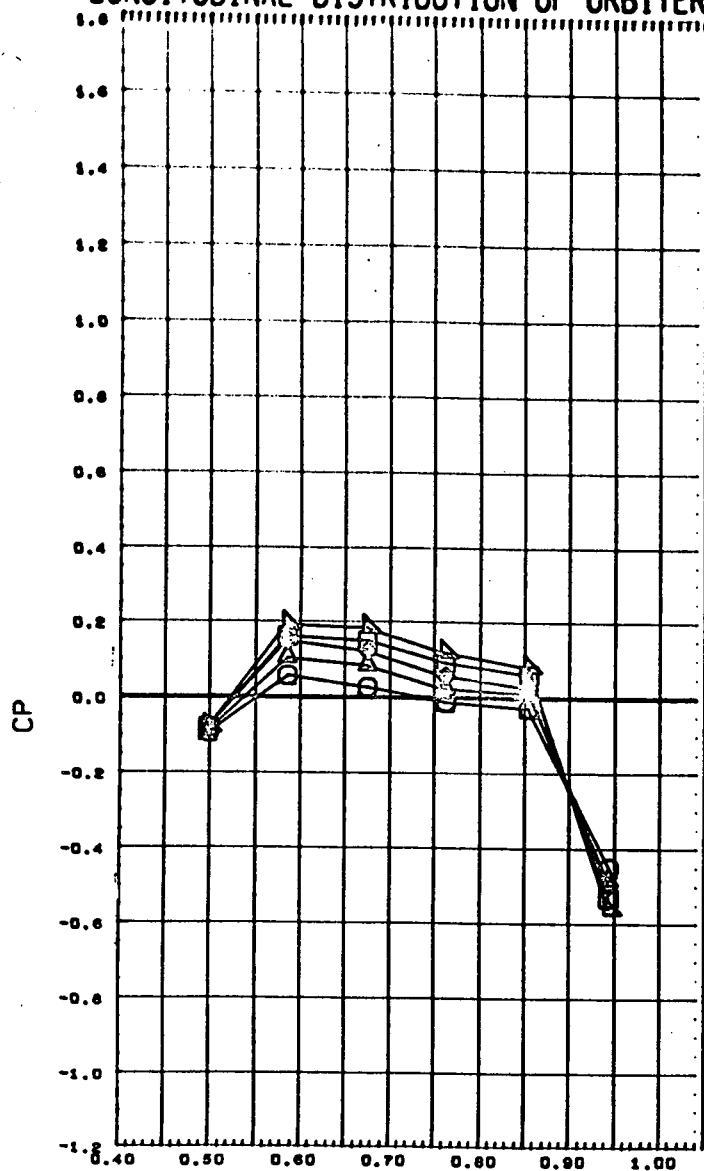


X/L			
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△	5.896	0.399	
◇	4.415		
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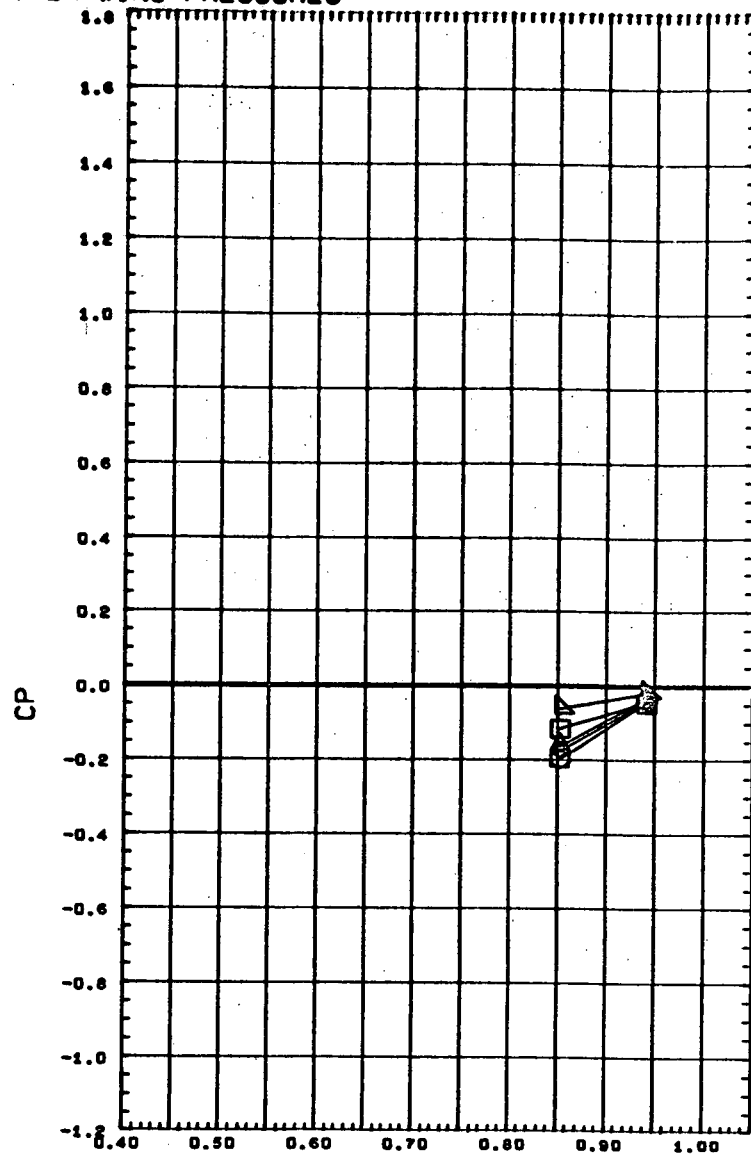
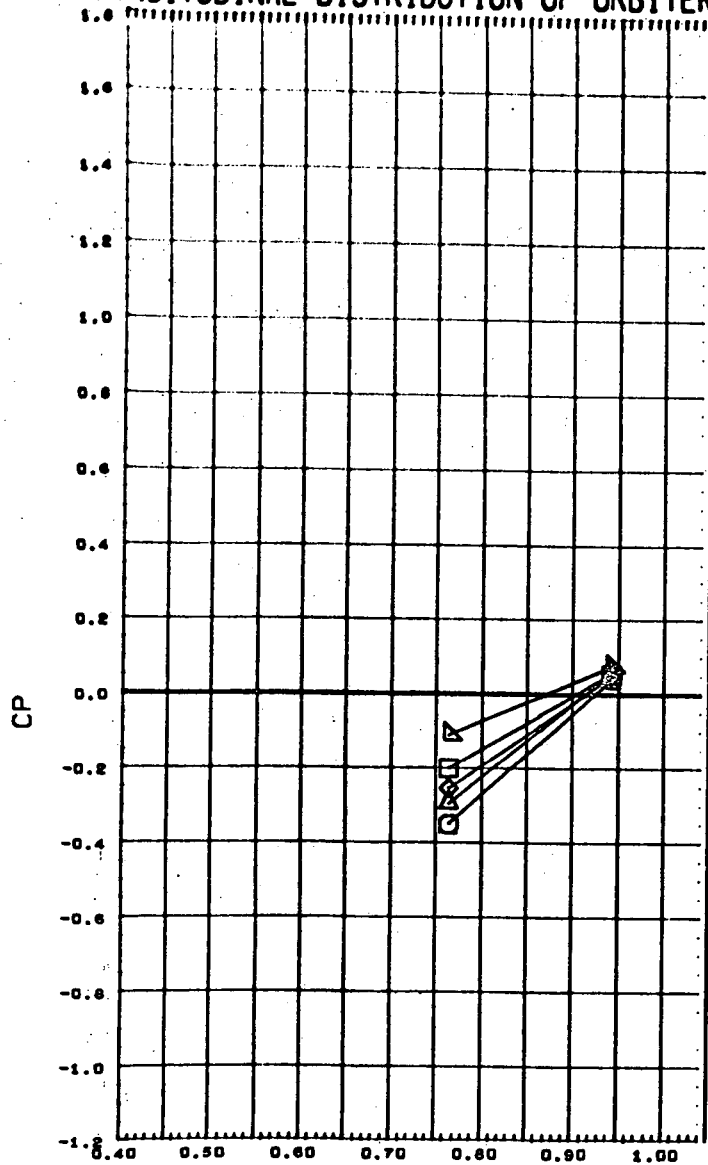


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▽	10.078		

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

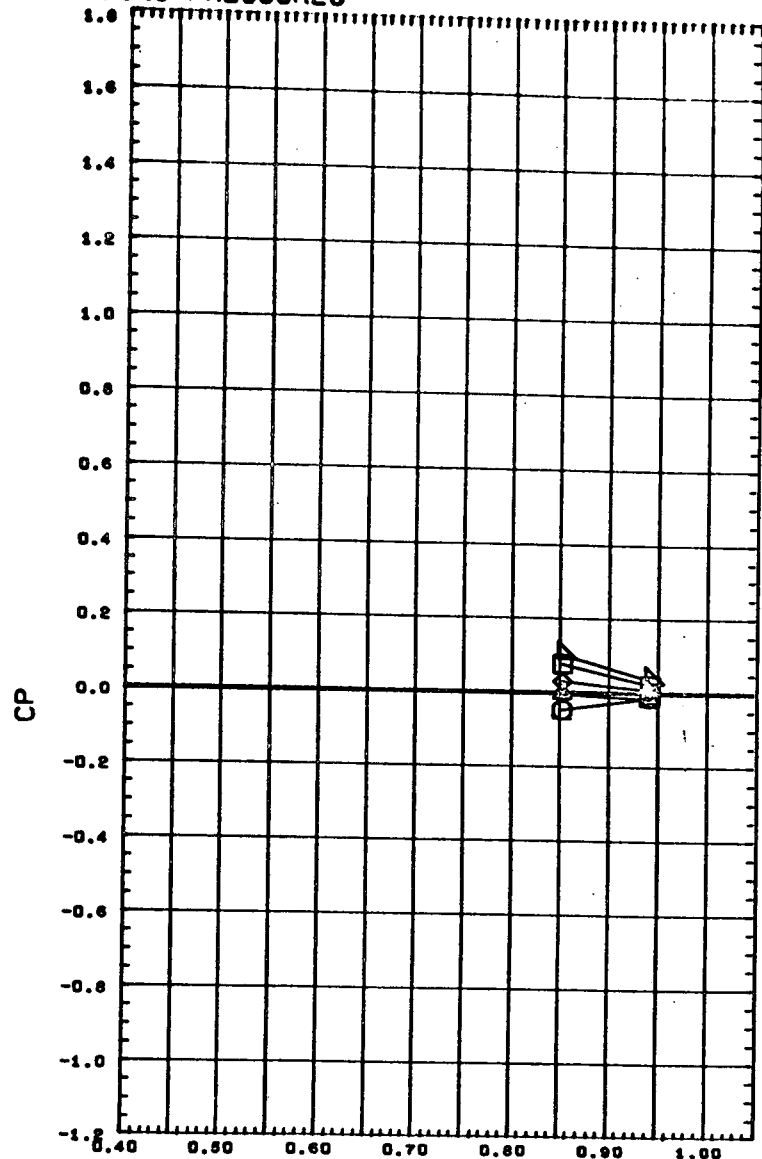
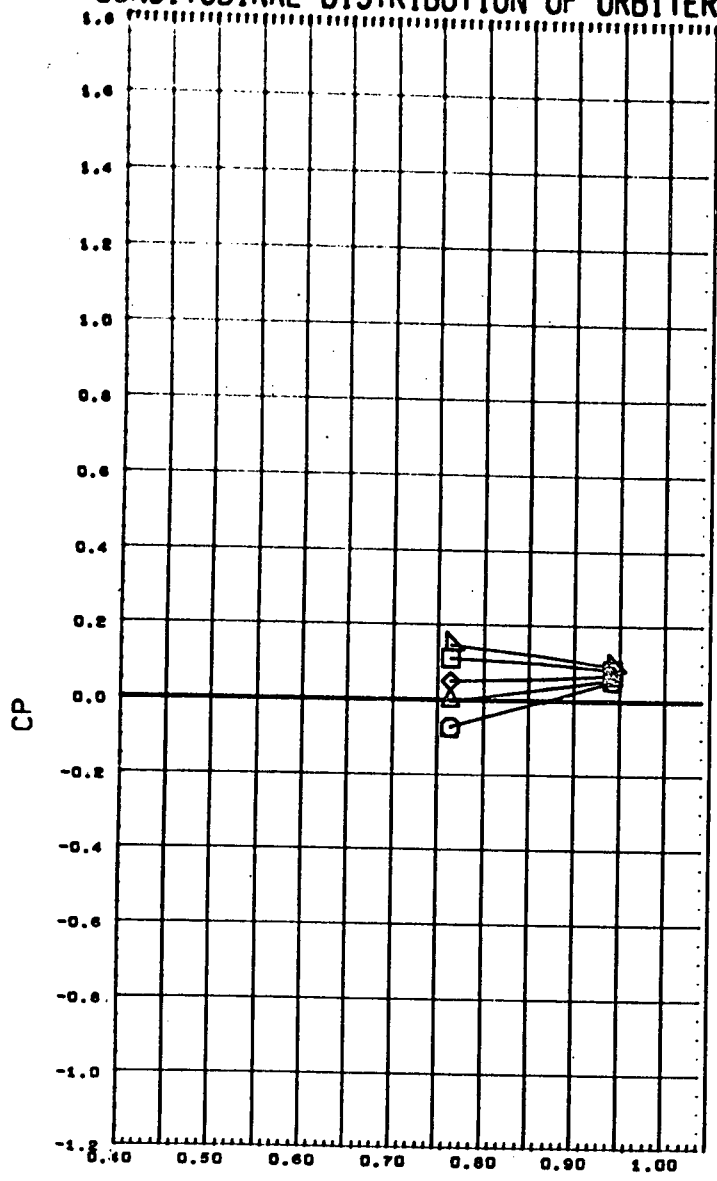


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◇	5.896	0.738	
□	4.415		
△	2.278		
	0.122		

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

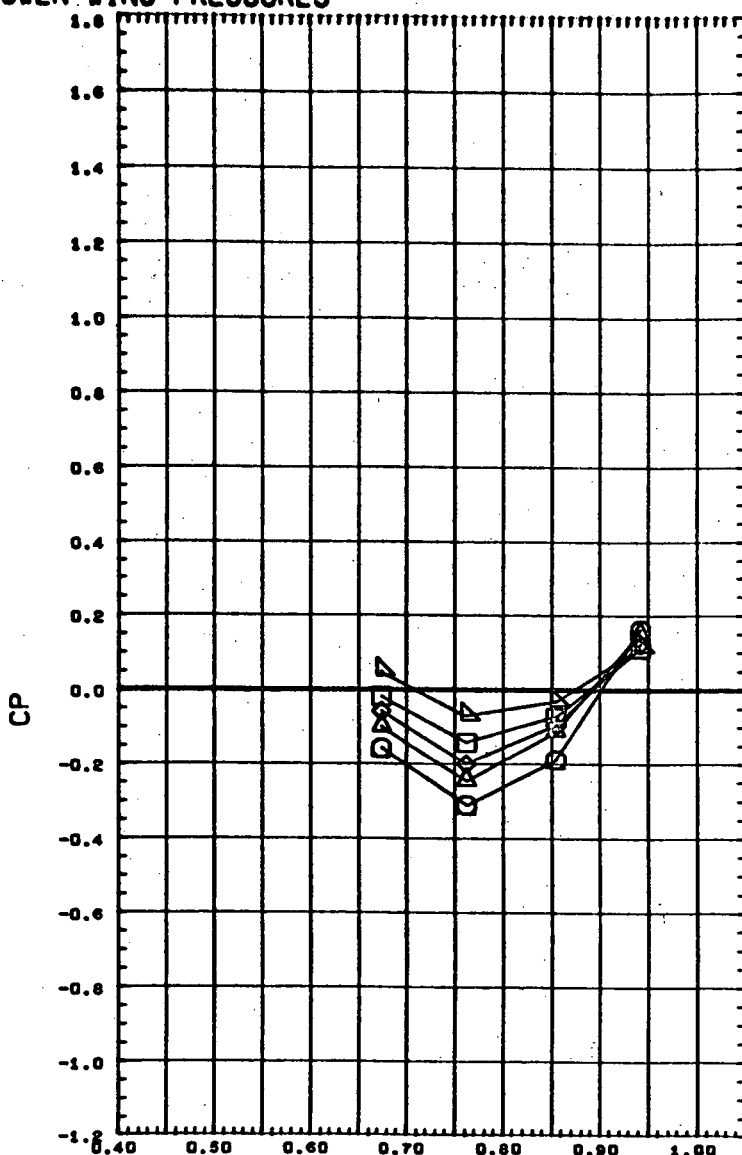
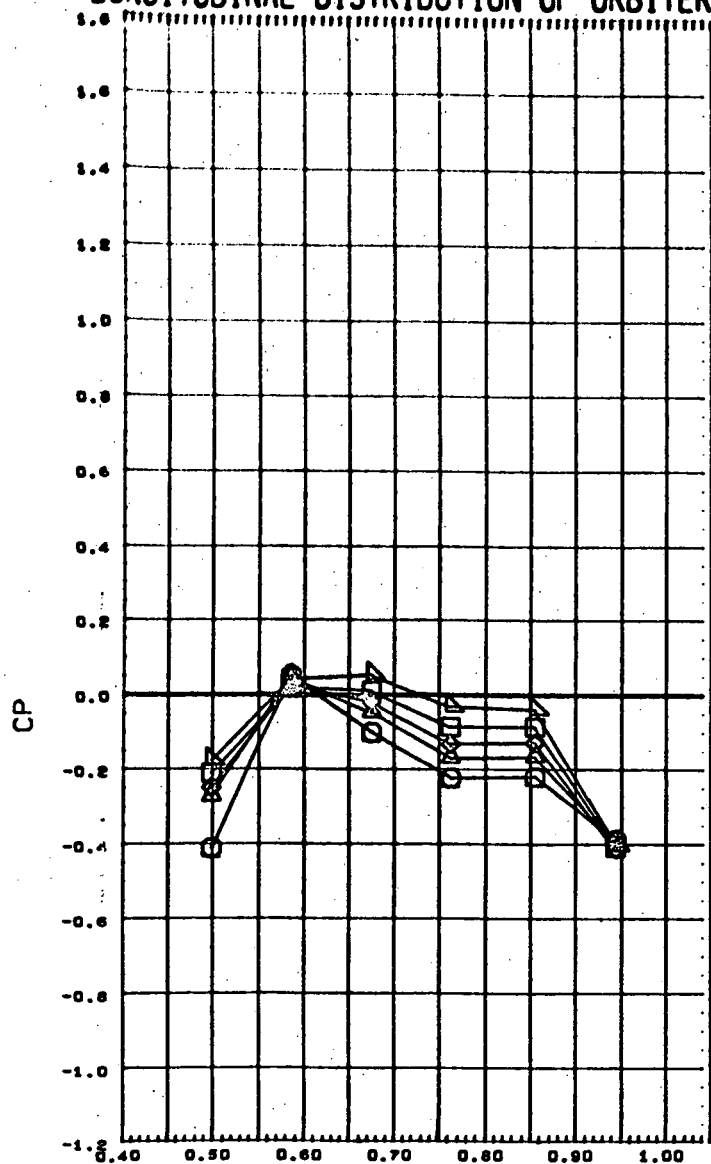


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◇	4.089	0.738	
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□	6.037		
◇	10.078		

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

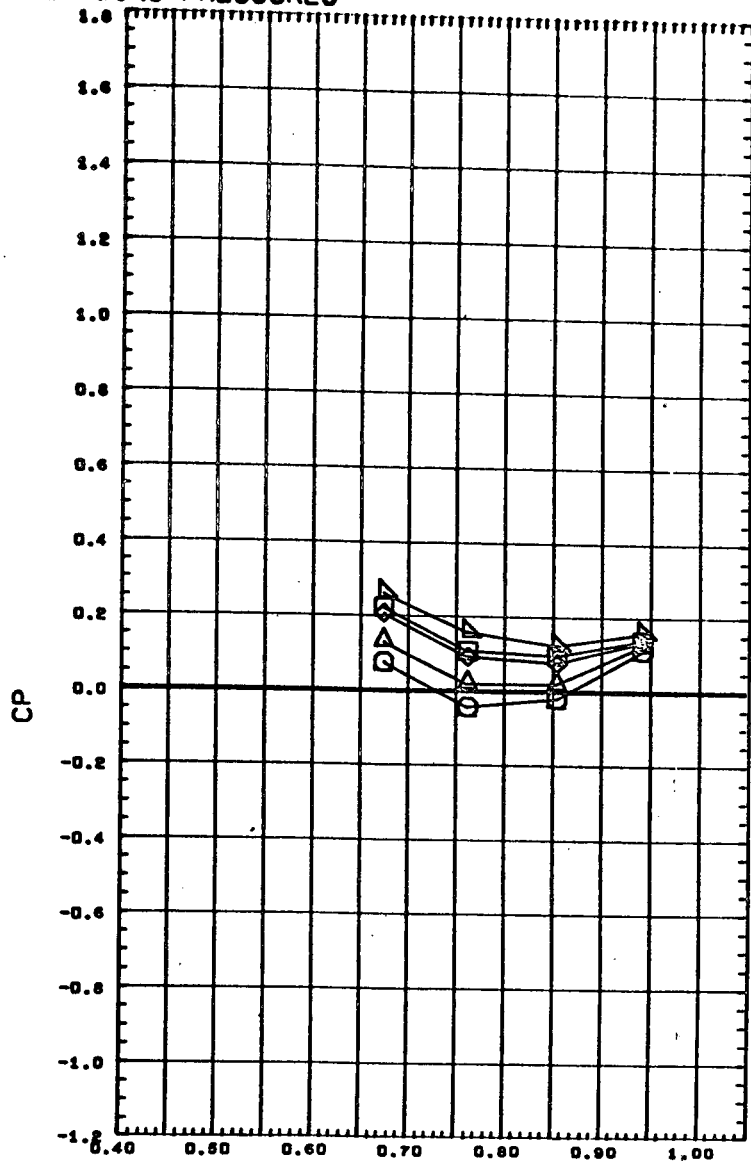
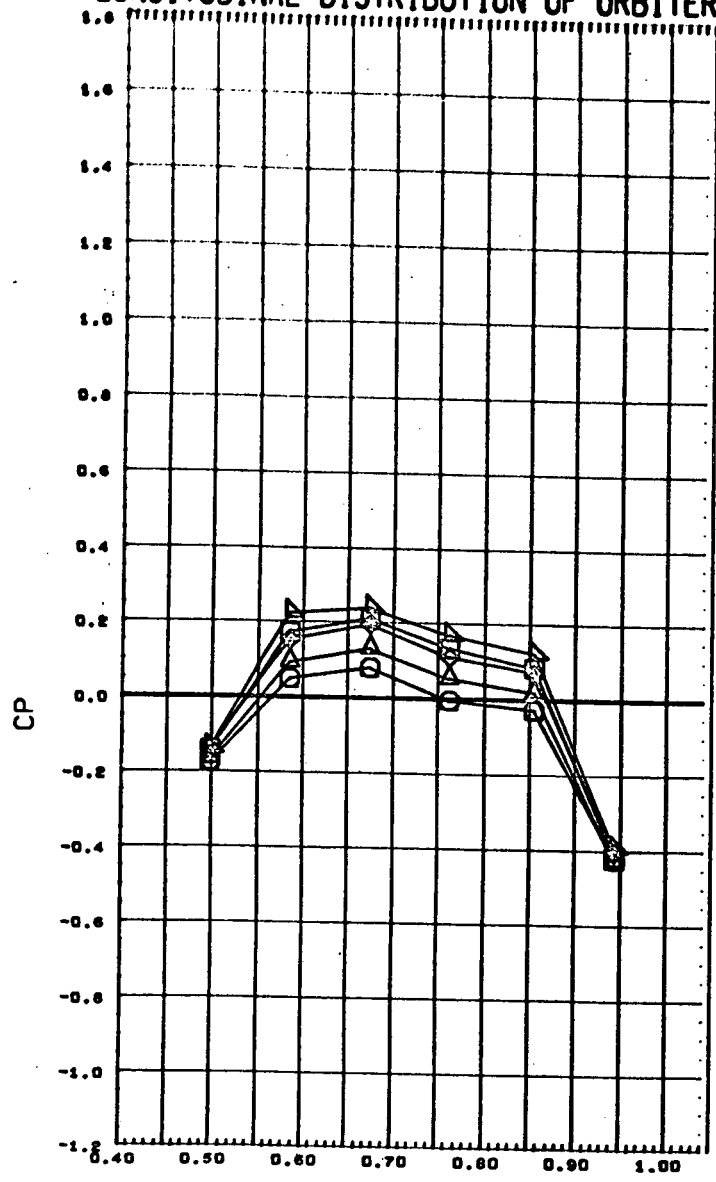


X/L			
SYMBOL	ALFB	Y/B	M1
△	8.137	0.230	0.894
○	5.806	0.399	
□	3.831		
◇	1.836		
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REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

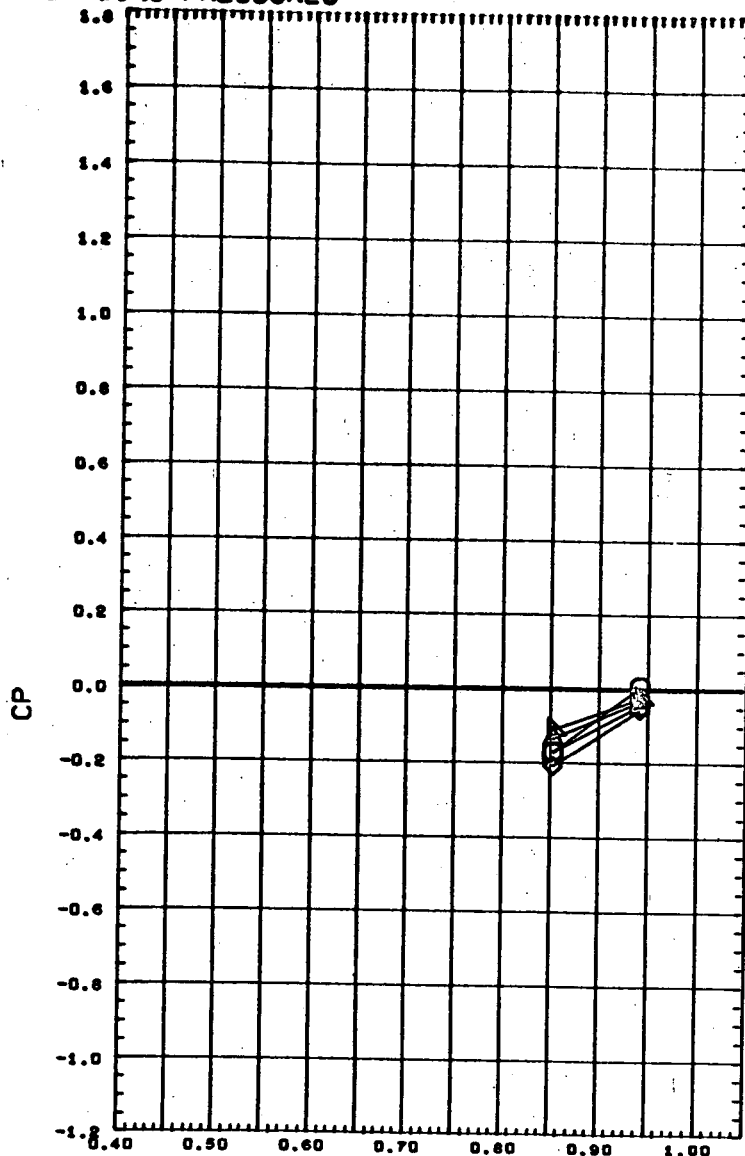
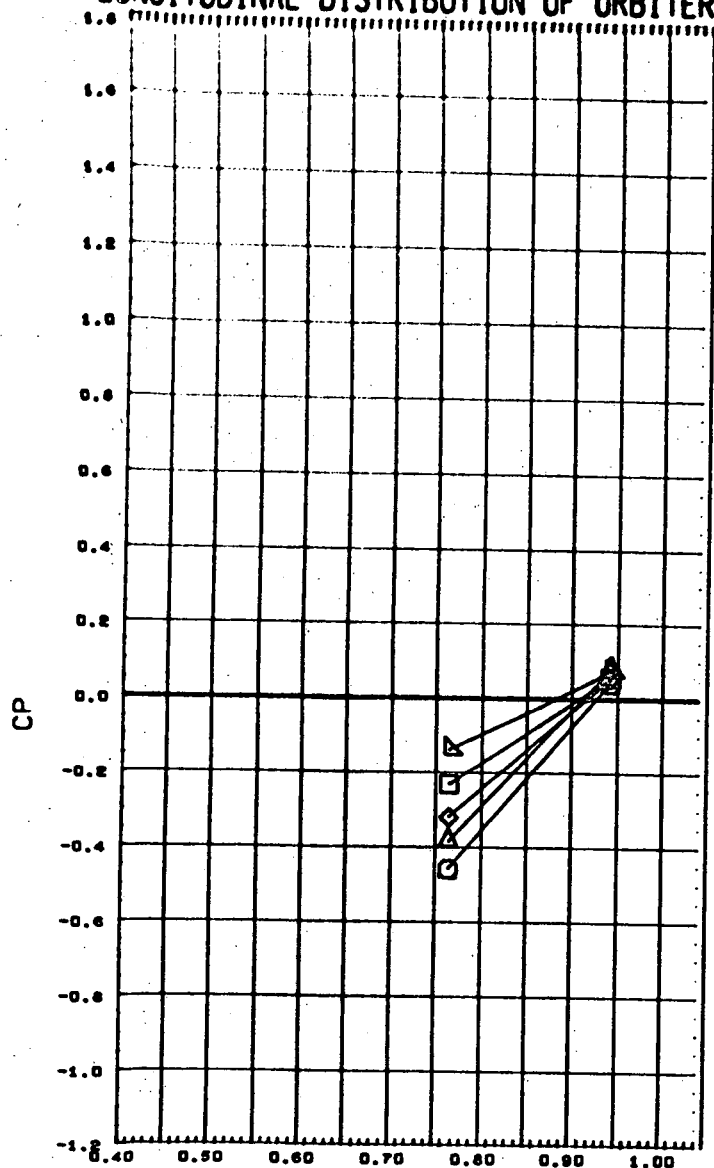


SYMBOL	X/L		
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△	3.746	0.399	
◇	6.129		
□	8.138		
■	10.120		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

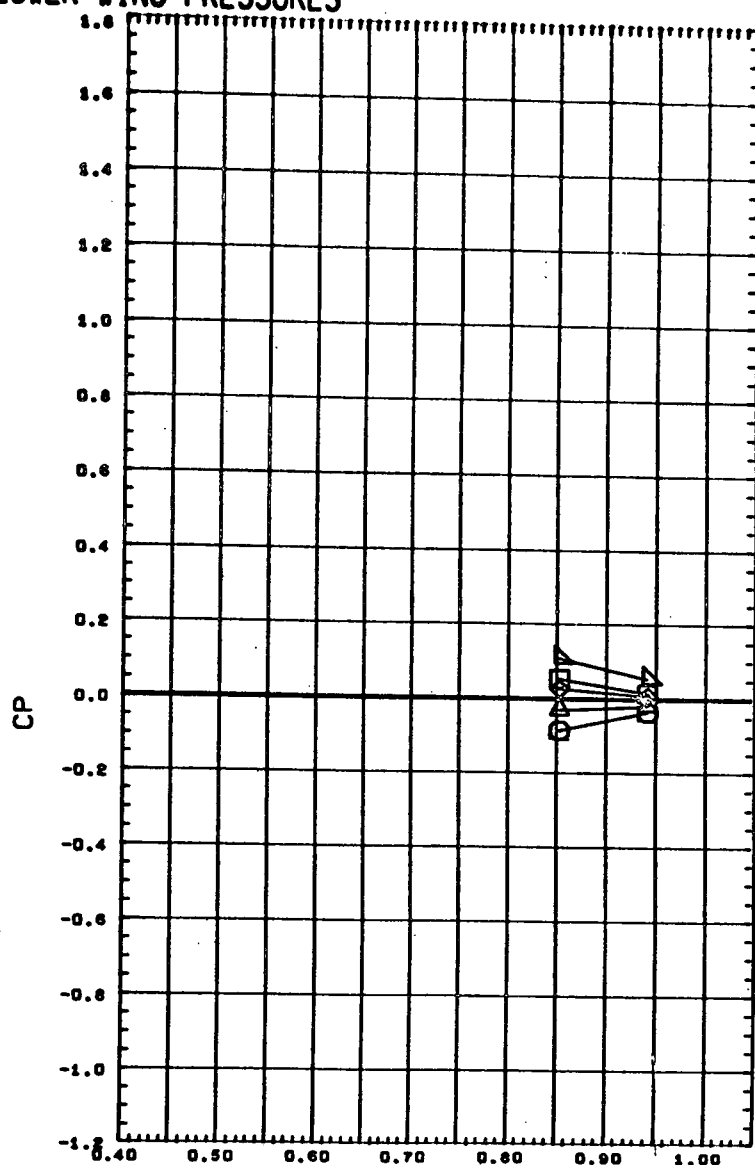
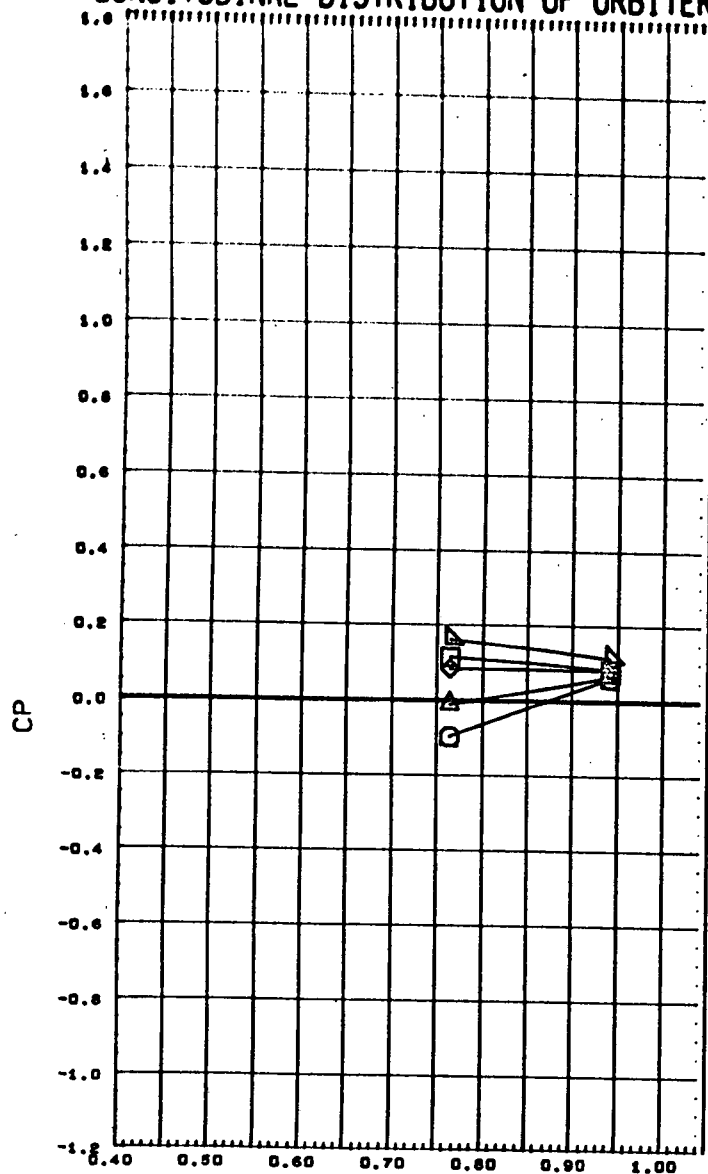
SYMBOL	ALFB	Y/B	M1
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◇	0.806	0.738	
◇	0.831		
◇	1.836		
◇	0.154		

REFERENCE FILE

X/L

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

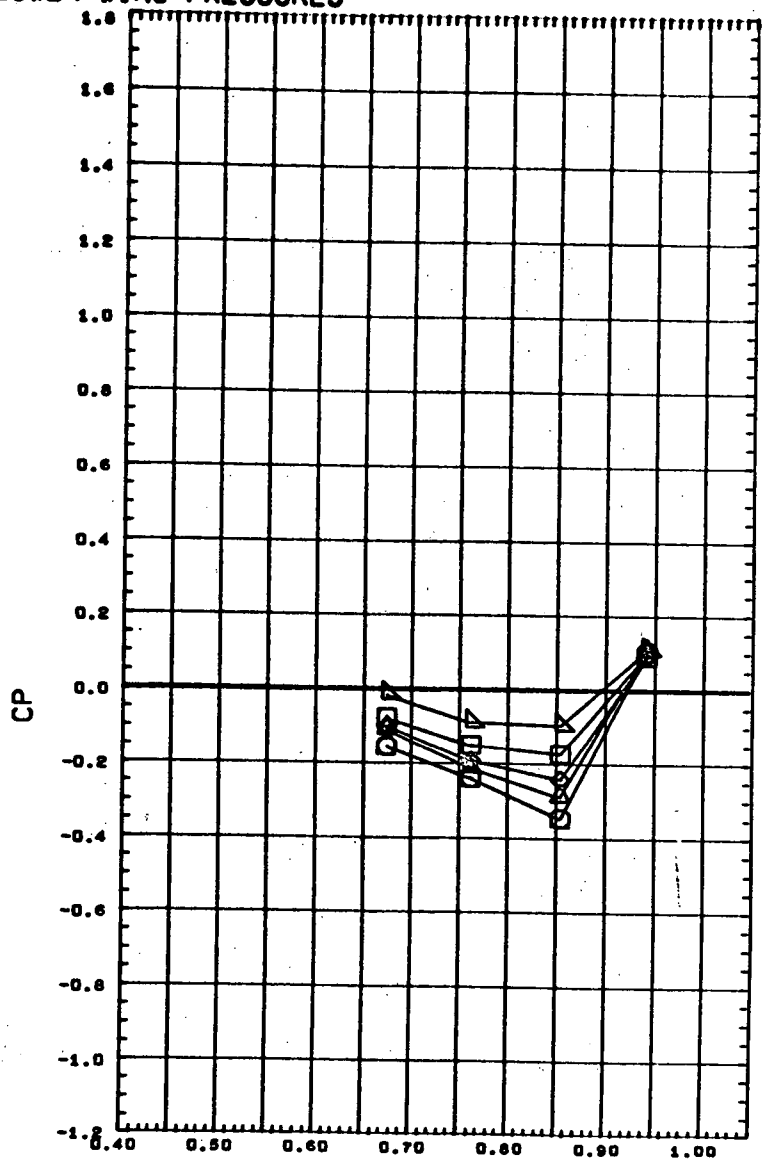
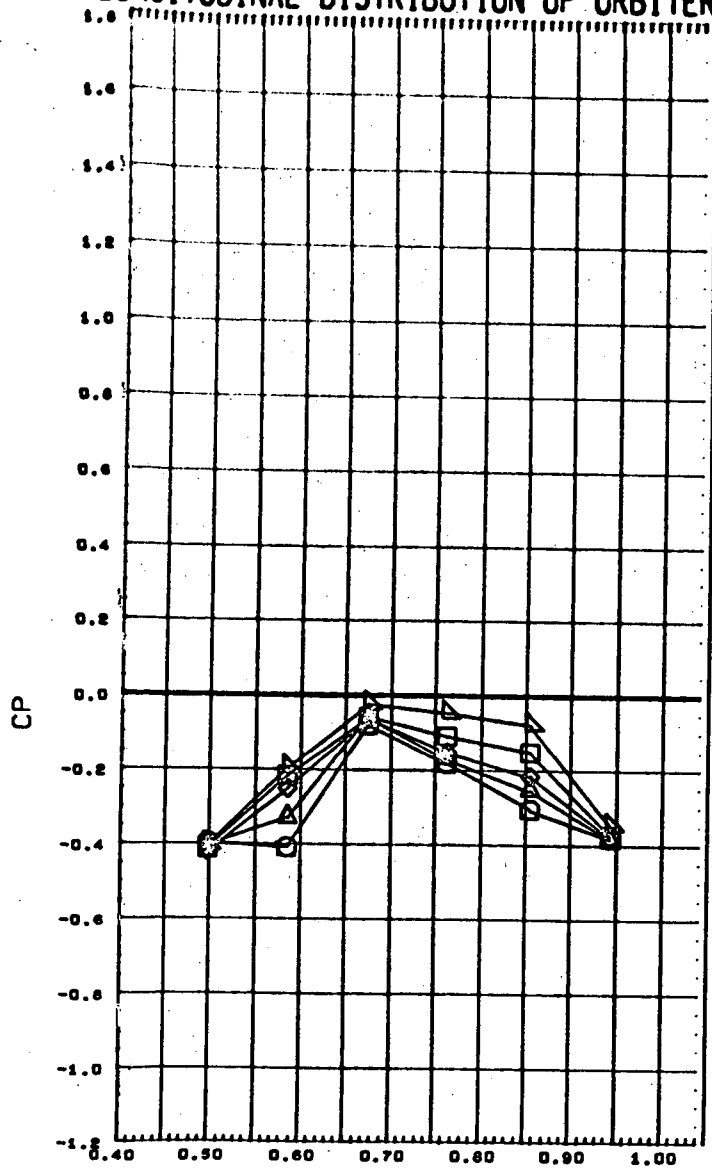


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◇	6.129		
◊	8.138		
◻	10.120		

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

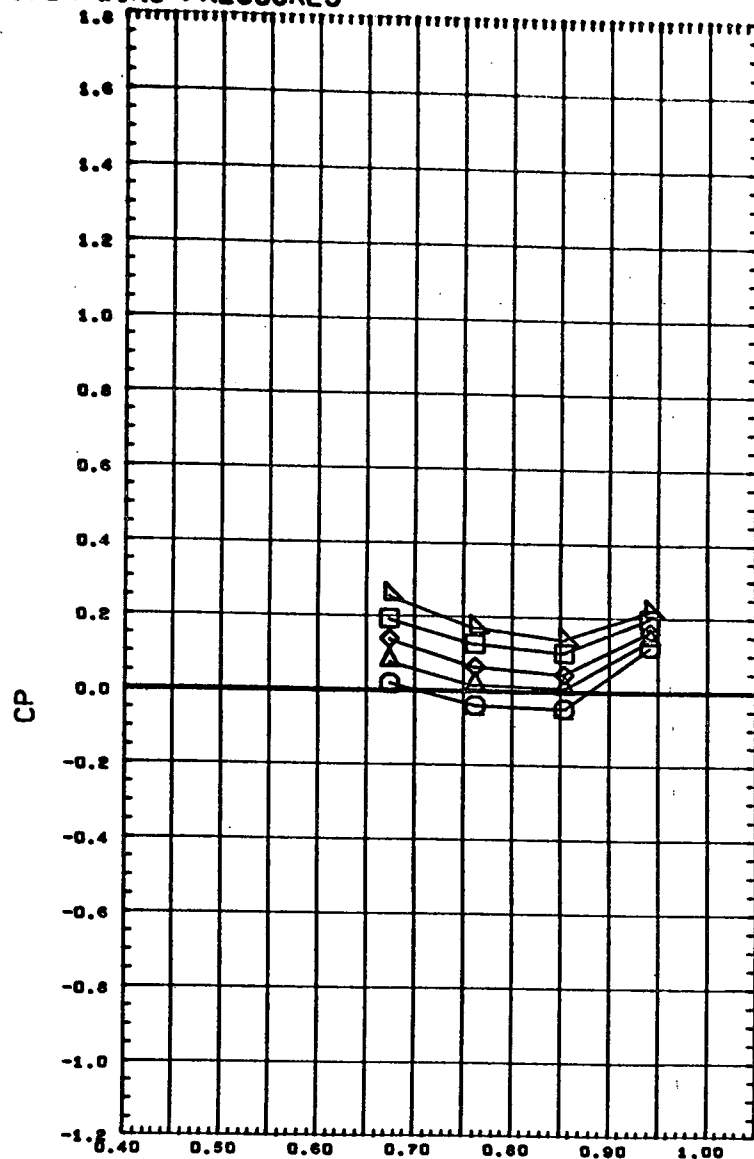
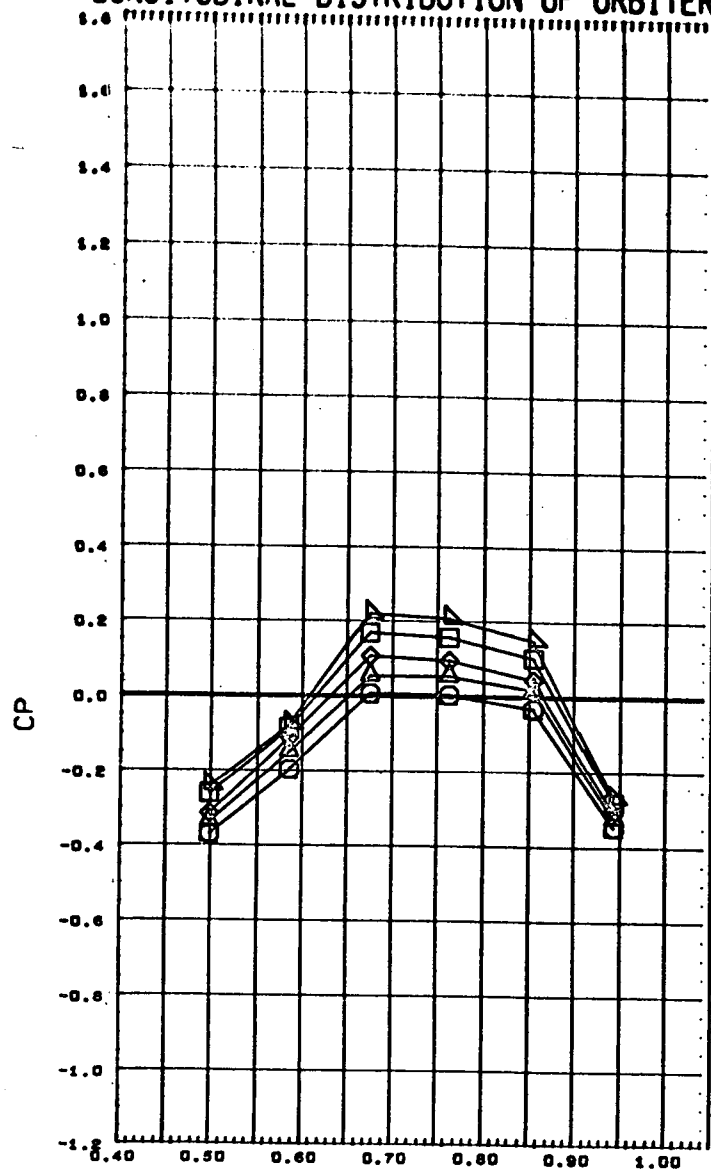


SYMBOL	ALFB	Y/B	M1
△	- 7.922	0.230	1.000
○	- 5.773	0.399	
◇	- 4.421		
□	- 2.227		
◇	0.197		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	0.000
OX/L	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

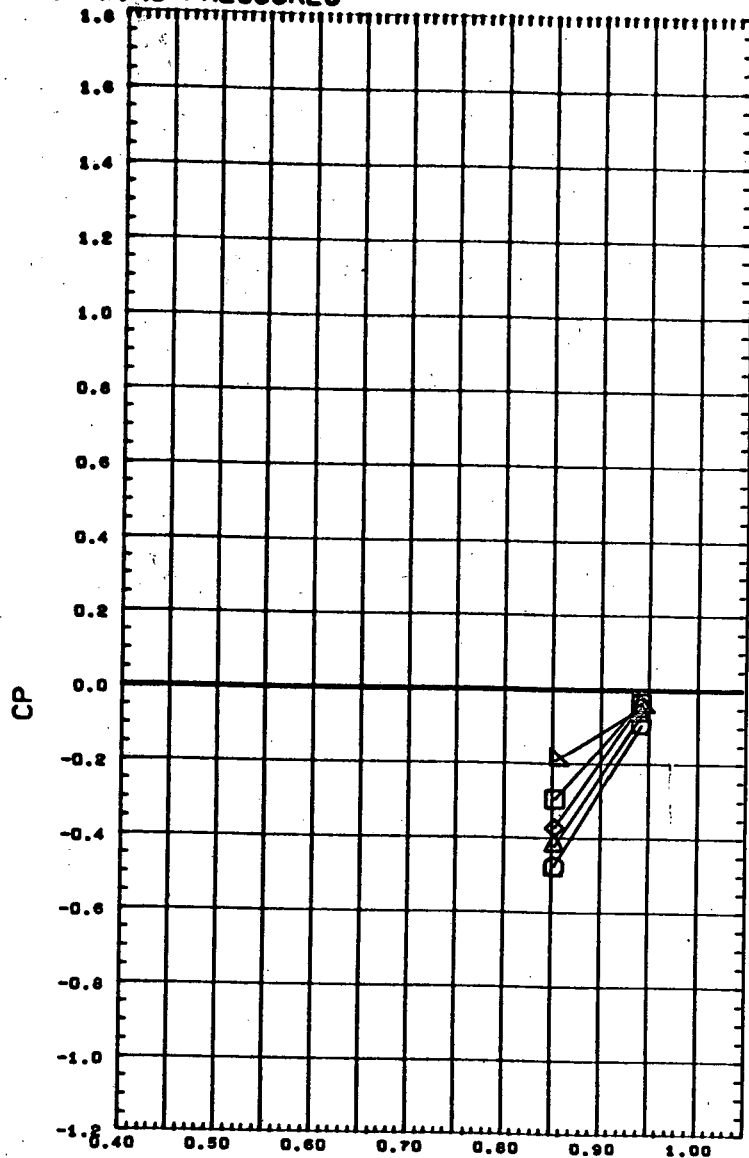
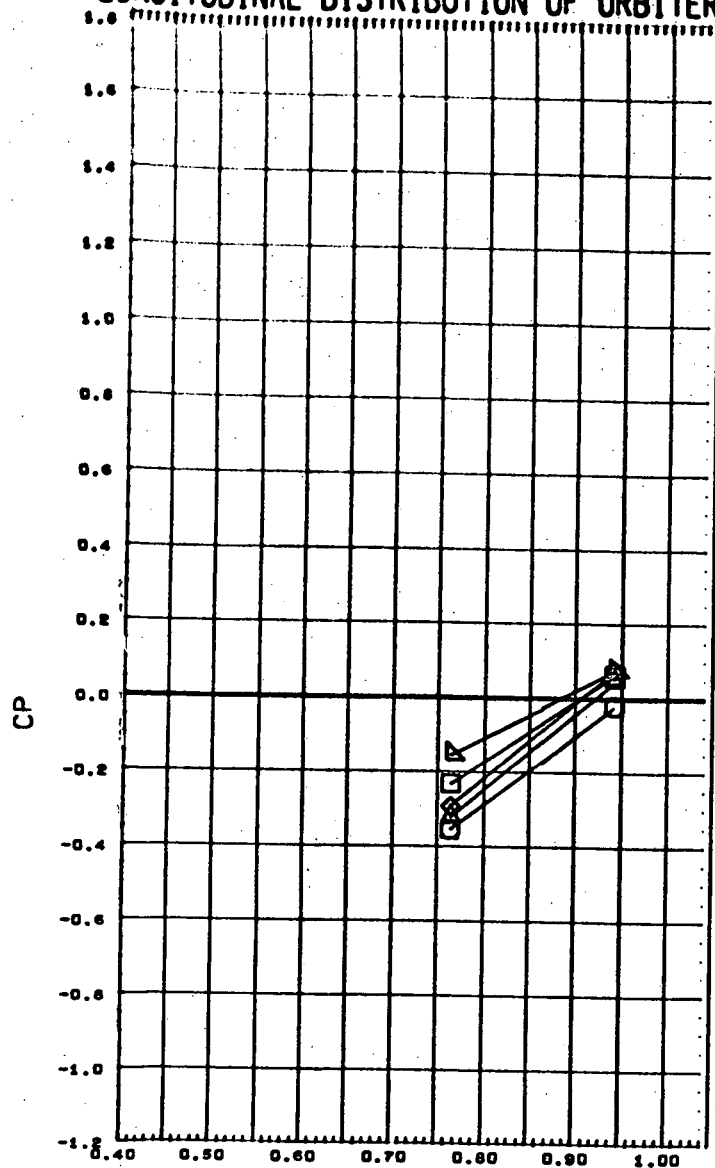


X/L			
SYMBOL	ALFB	Y/B	M1
△	2.153	0.230	1.000
◇	4.142	0.399	
□	6.073		
○	8.175		
×	10.285		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

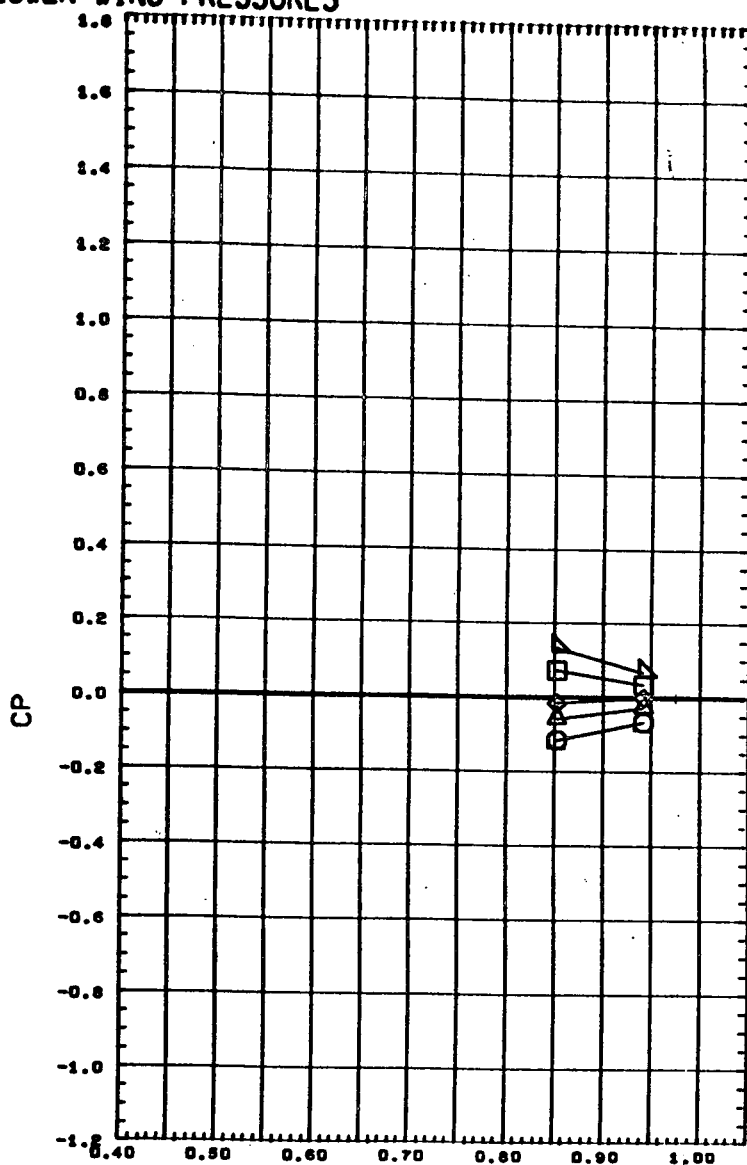
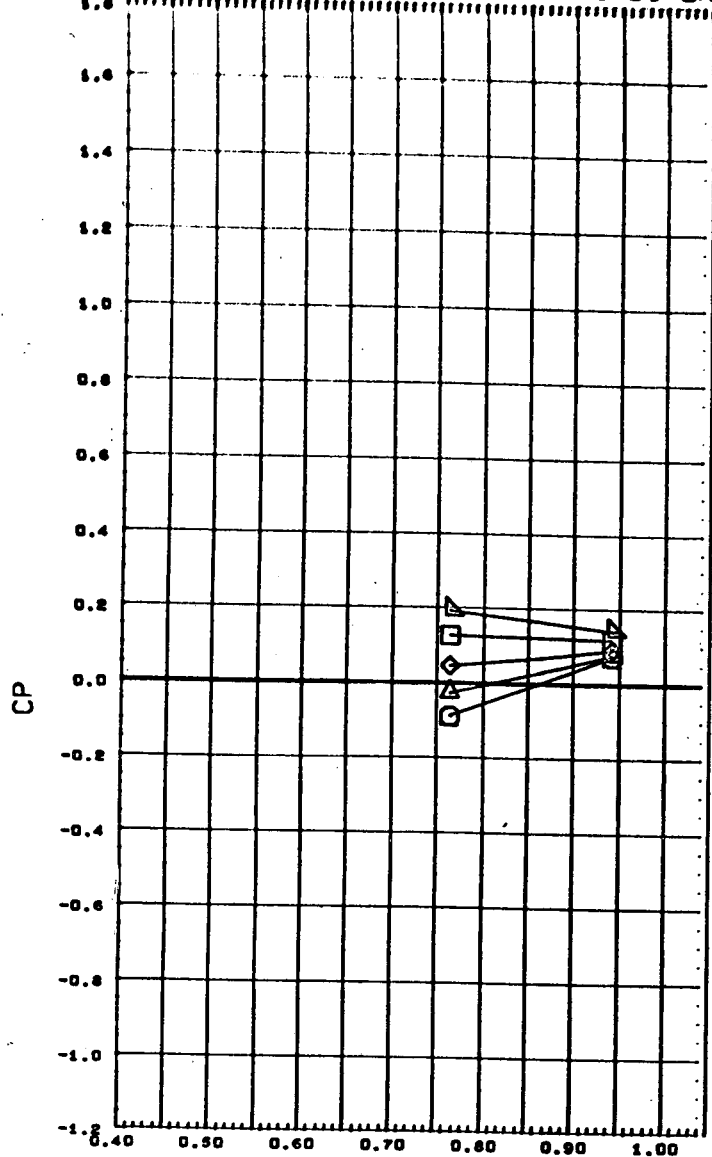


X/L		
SYMBOL	ALFB	Y/B
△	7.922	0.568
◇	5.773	0.738
□	4.421	
○	2.227	
	0.197	

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0.000
	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
△	2.153	0.568	1.000
□	4.142	0.738	
◇	6.073		
○	8.175		
▽	10.265		

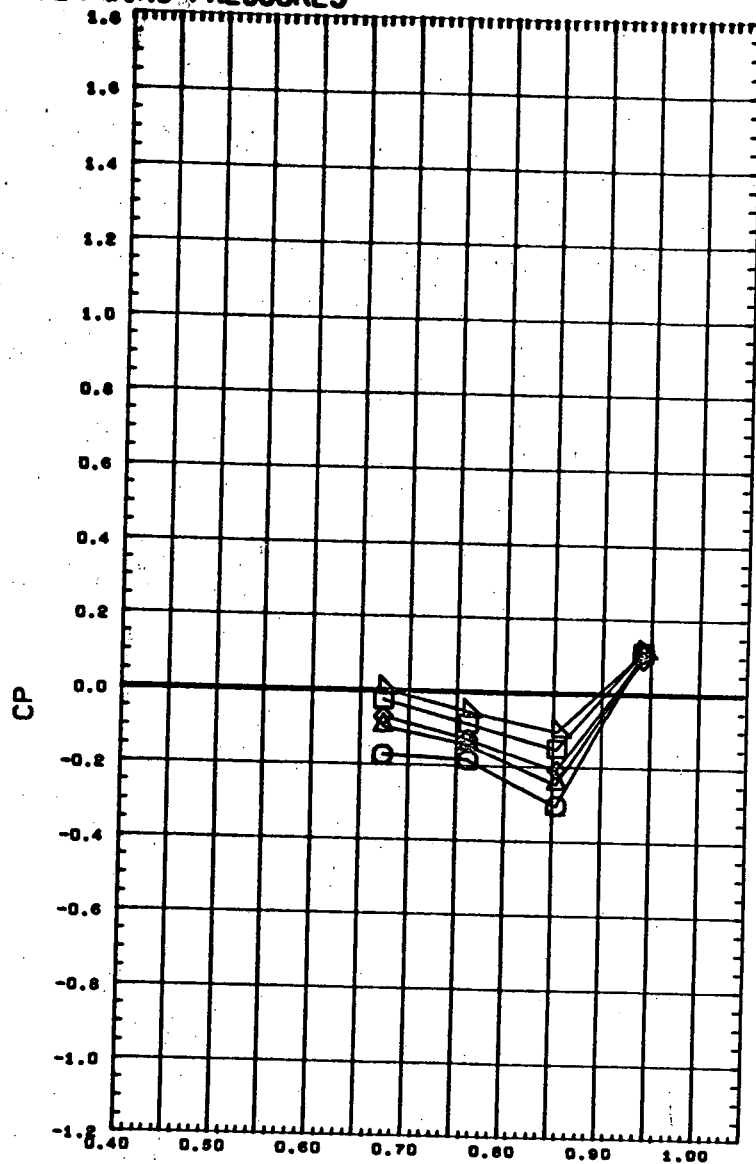
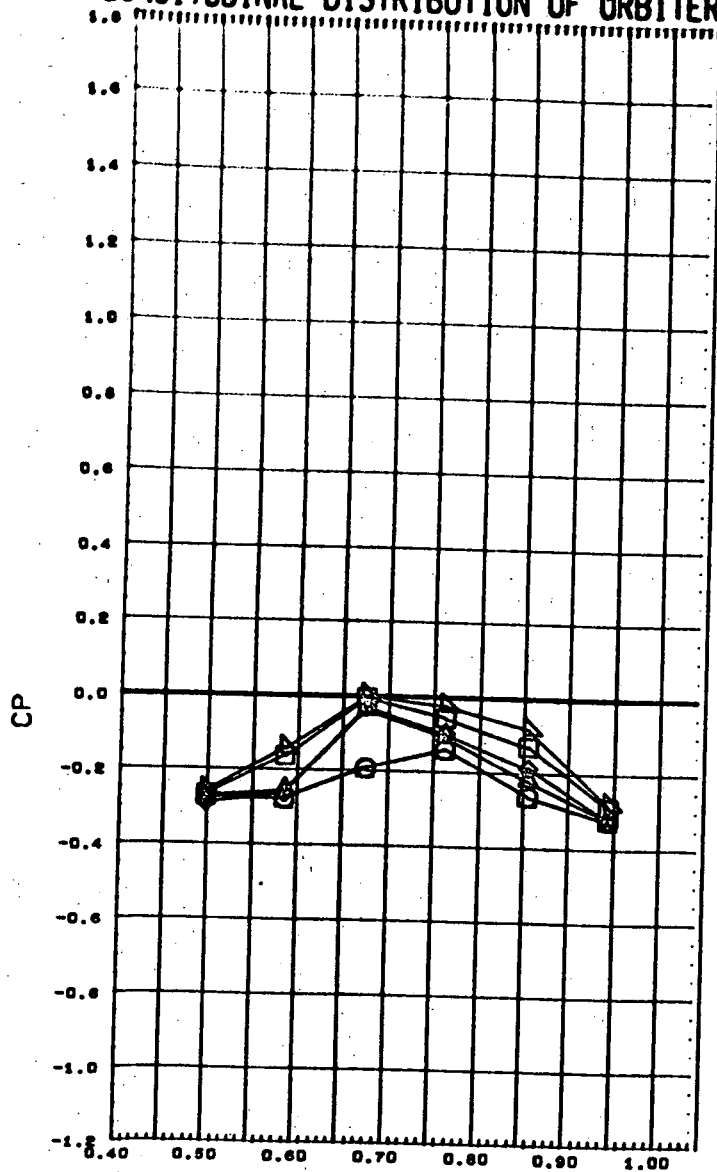
REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L 0.000
I	0.000	

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC001)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



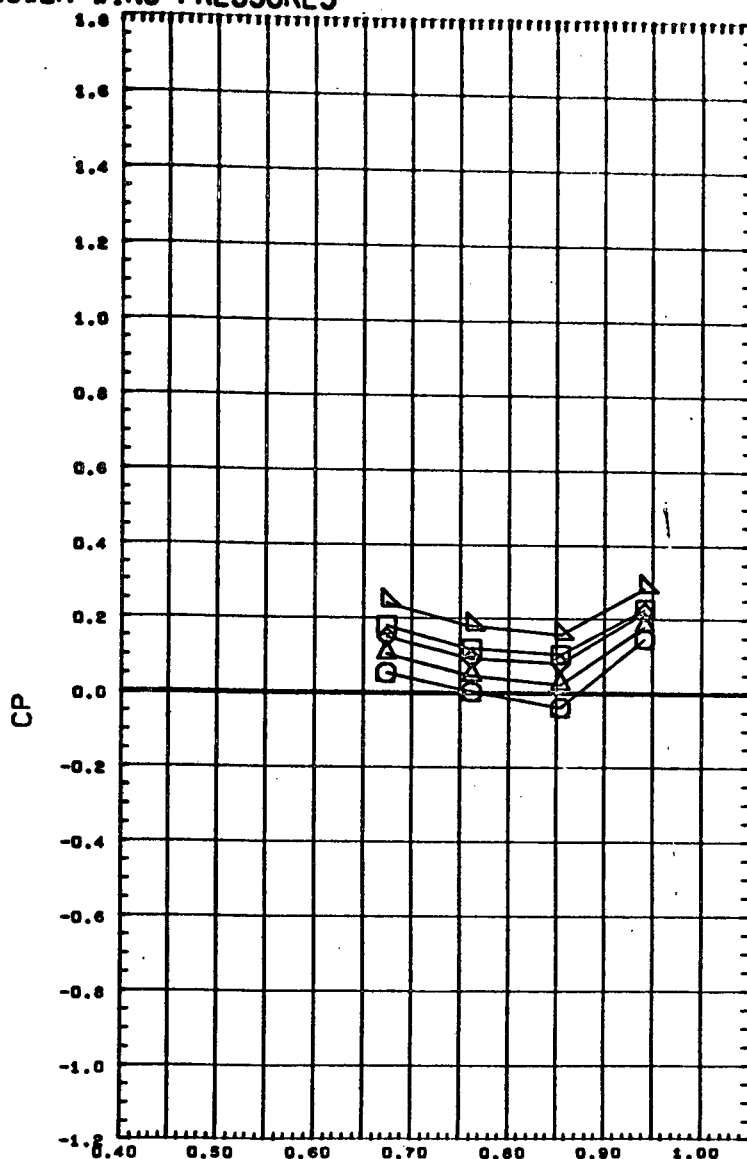
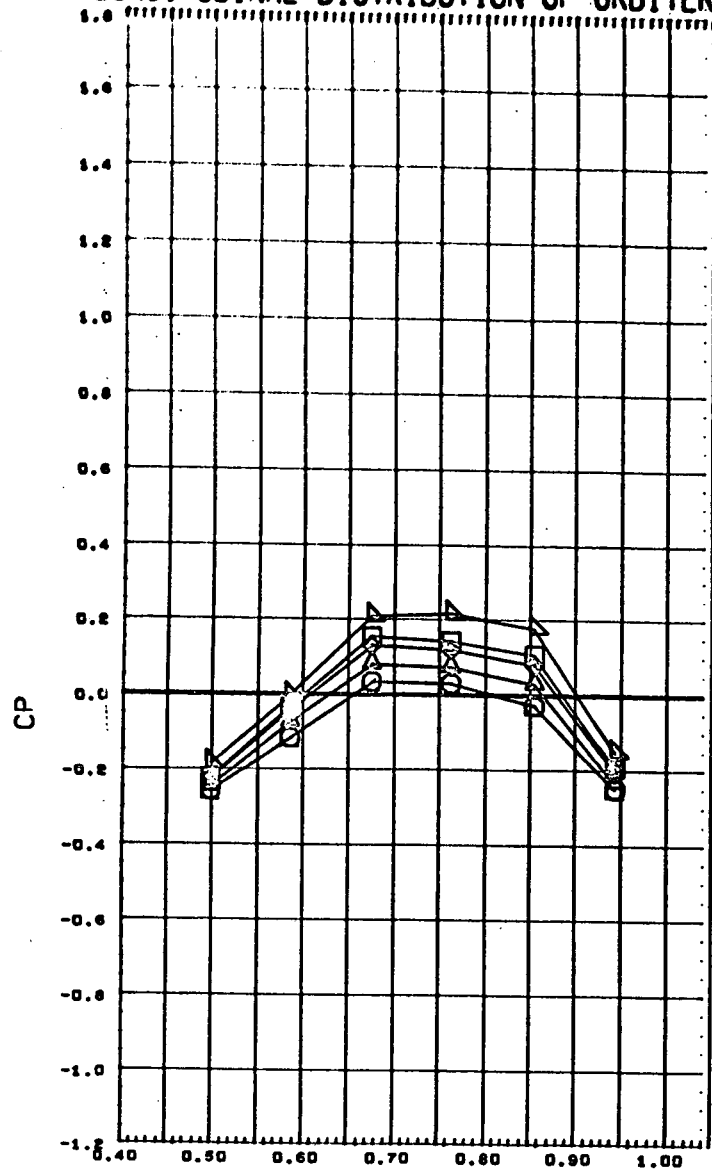
X/L			
SYMBOL	ALFB	Y/B	M1
◻	- 8.282	0.230	1.100
◊	- 5.772	0.399	
△	- 5.796		
○	- 5.825		
◼	- 9.182		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	0.000
I	0.000	

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC001)

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

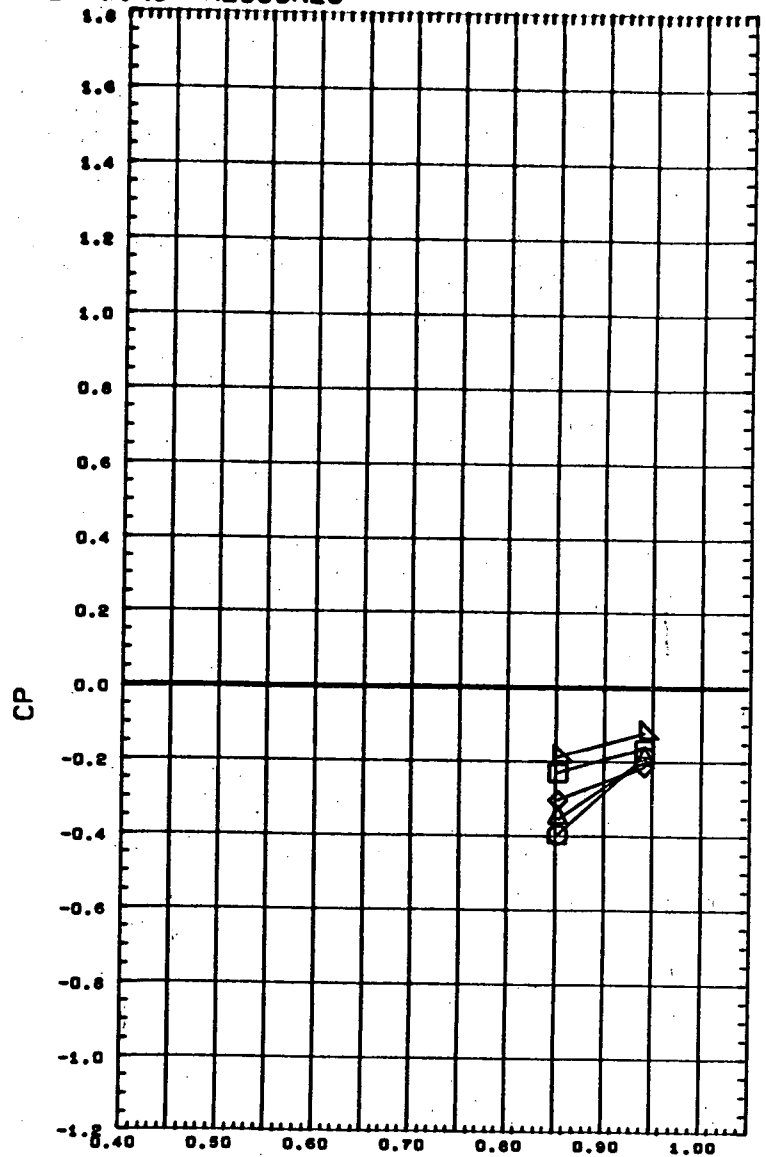
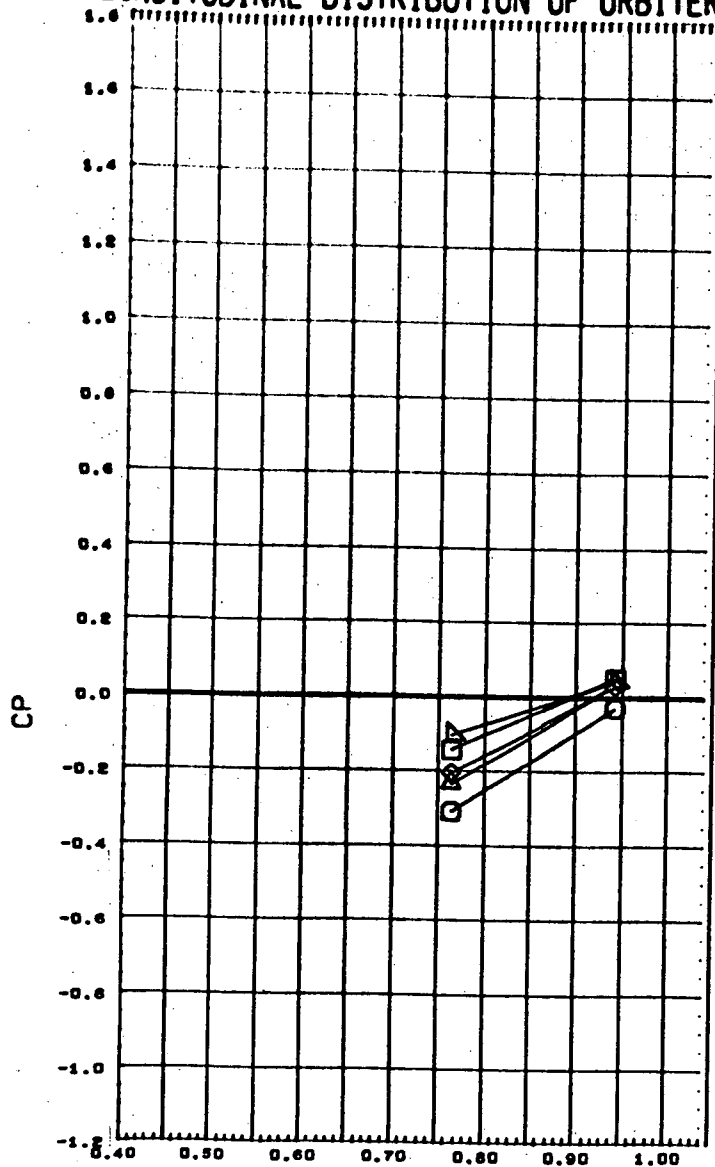


SYMBOL	ALFB	Y/B	M1
○	2.160	0.230	1.100
△	4.170	0.399	
◇	6.083		
◊	7.758		
◻	10.193		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	0.000
OX/L	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

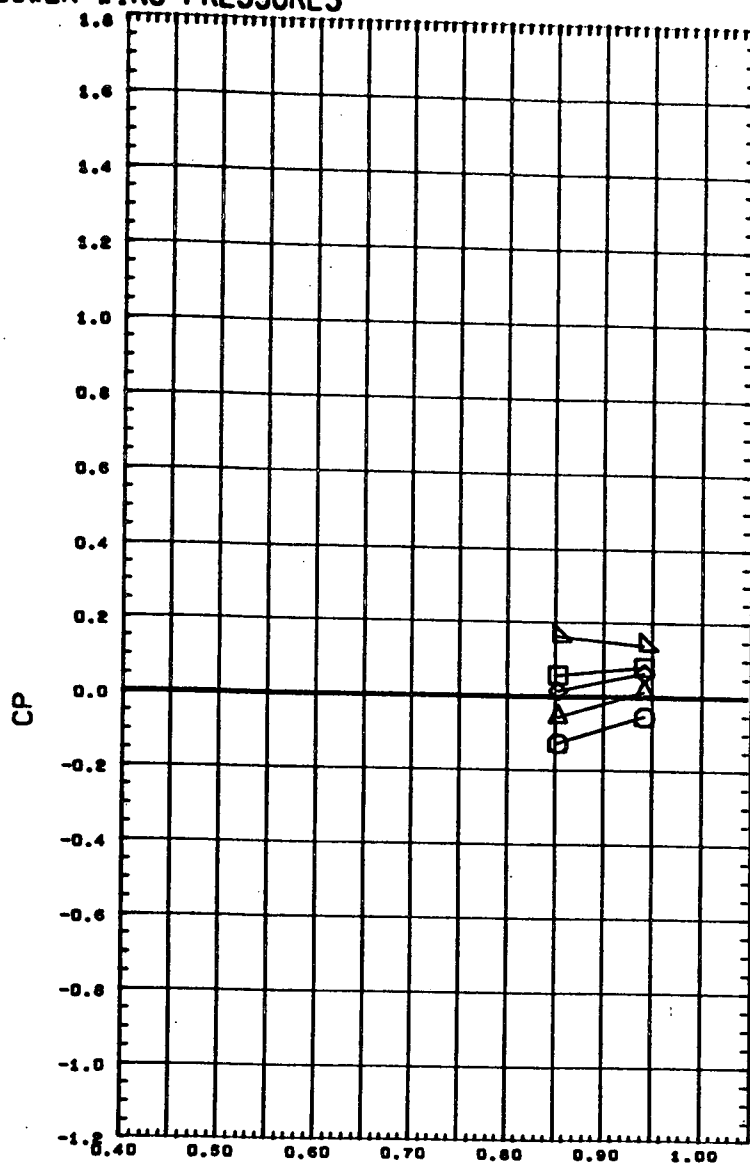
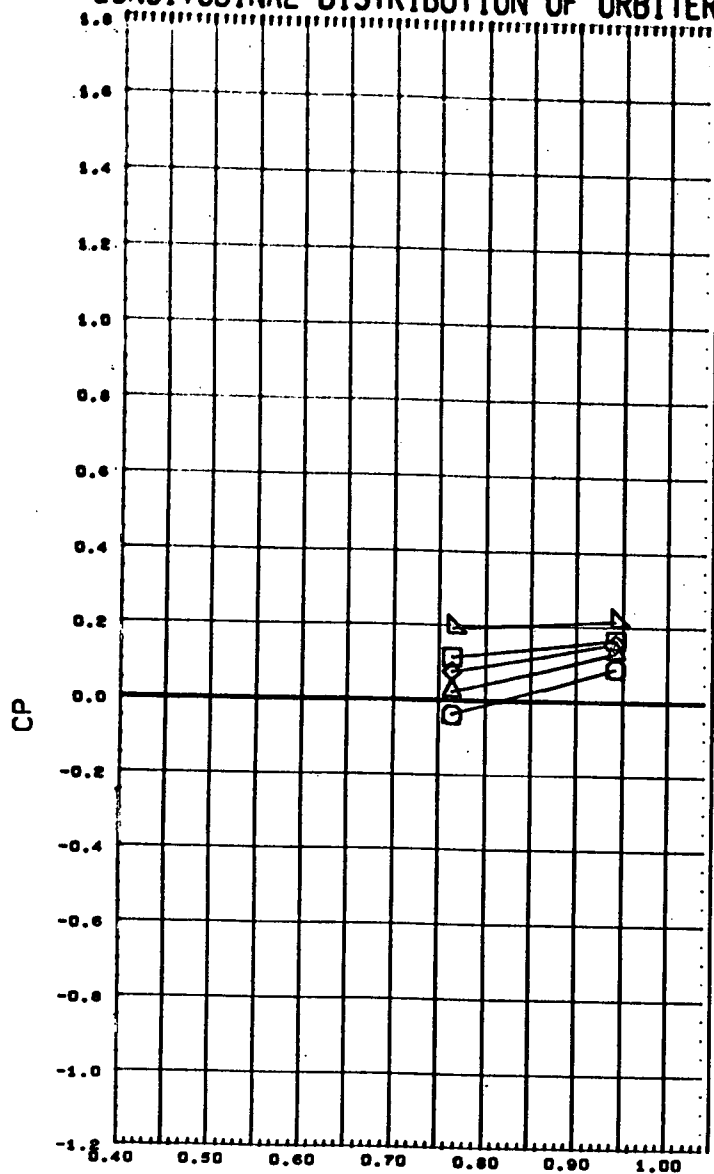


X/L			
SYMBOL	ALFB	Y/B	M1
○	6.282	0.568	1.100
△	5.772	0.738	
◇	3.796		
□	1.823		
▽	0.182		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
I	0.000	DX/L	0.000
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

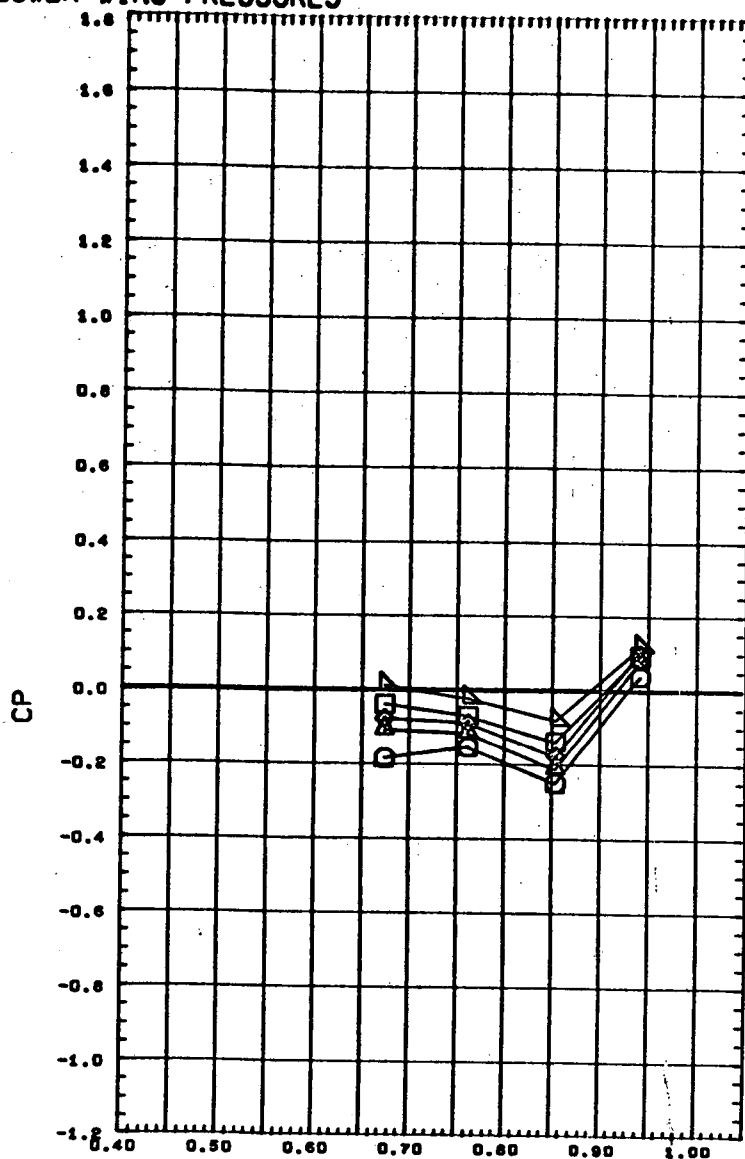
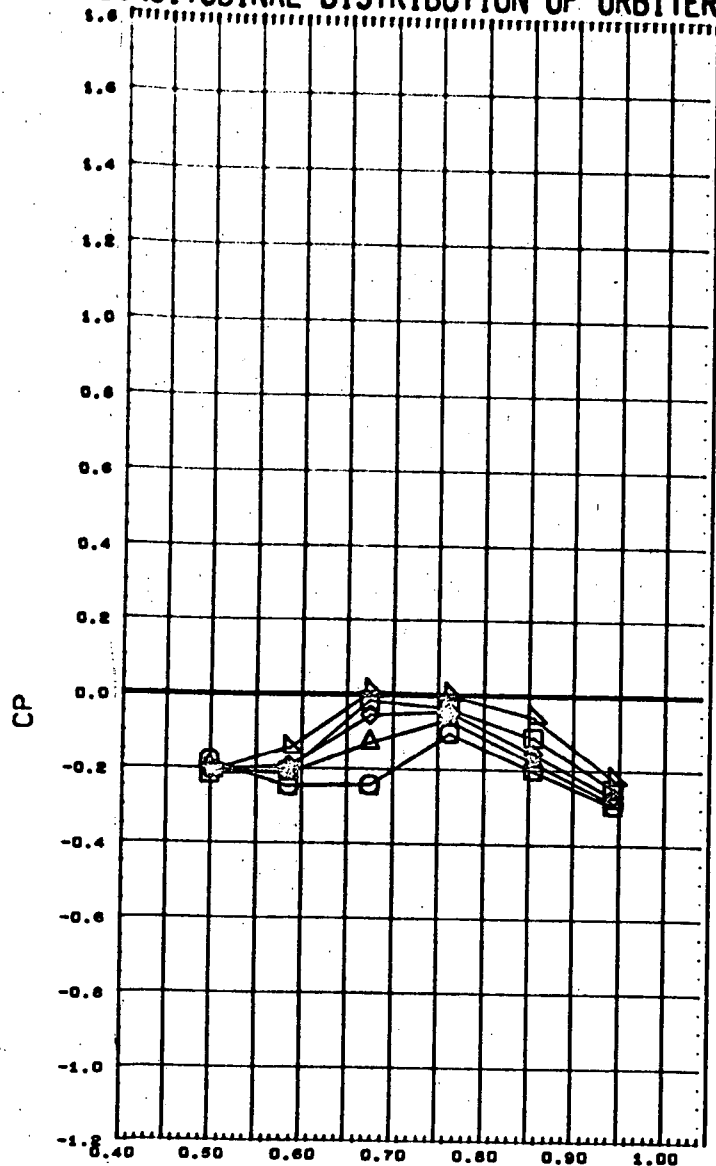


SYMBOL	ALPB	Y/B	M1
○	2.160	0.968	1.100
◇	4.170	0.738	
□	6.083		
△	7.758		
▽	10.193		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

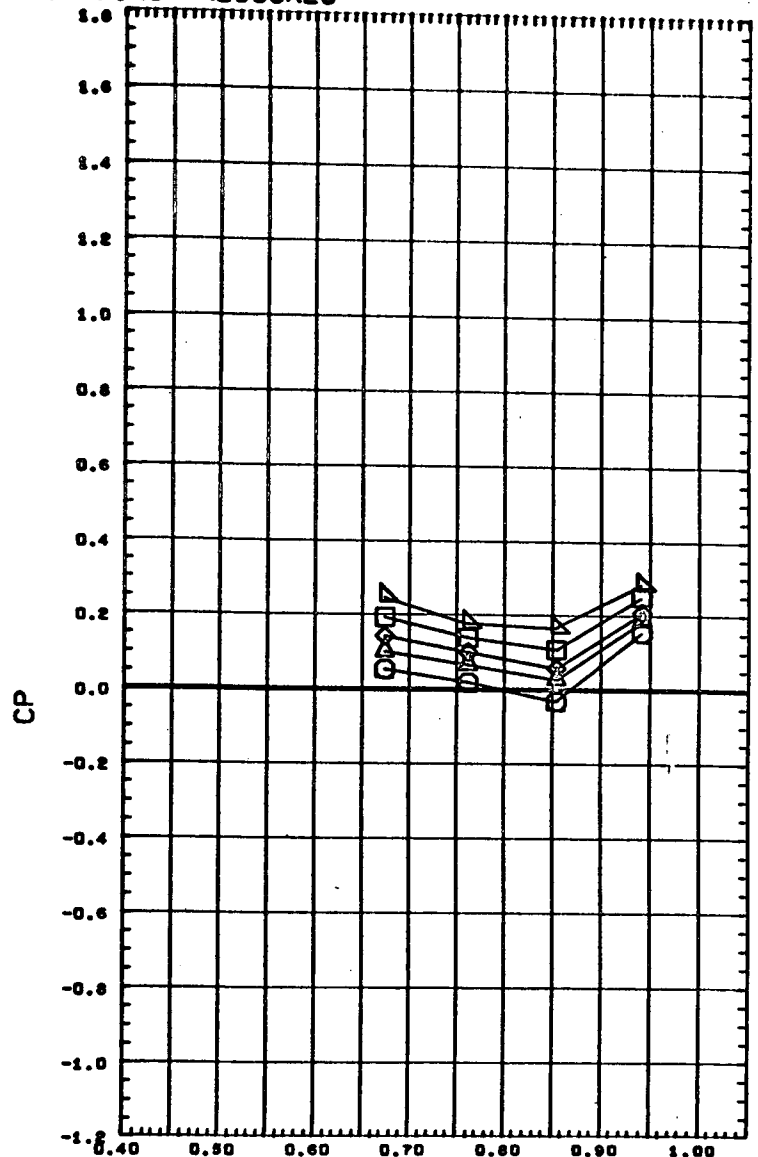
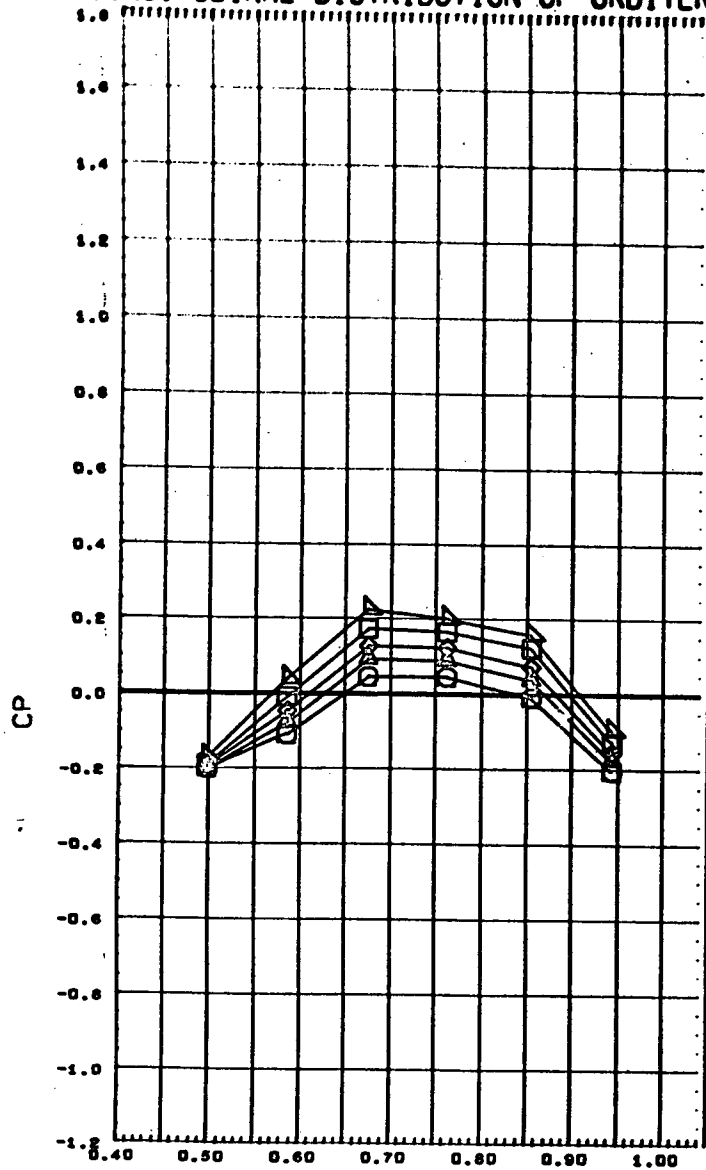
SYMBOL	ALFB	Y/B	M1
○	- 6.312	0.230	1.199
△	- 5.768	0.399	
◇	- 4.439		
□	- 2.183		
▽	0.219		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	DX/L	
0	0.000	0.000	0.000
1	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

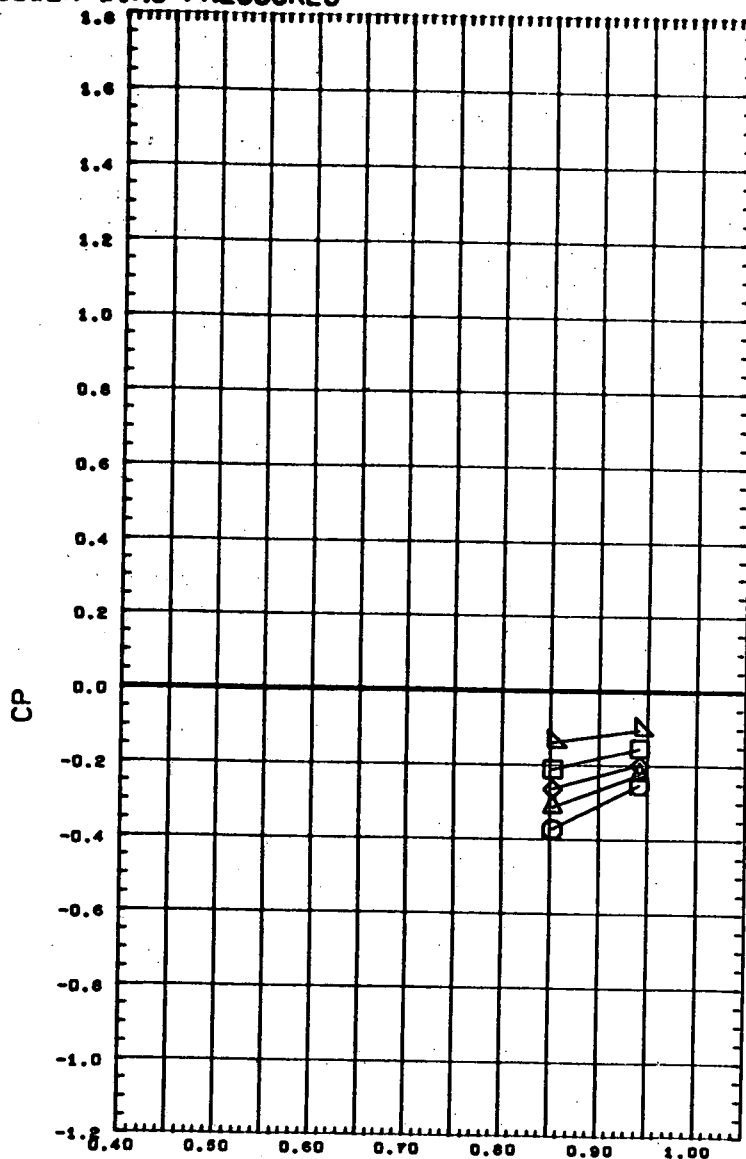
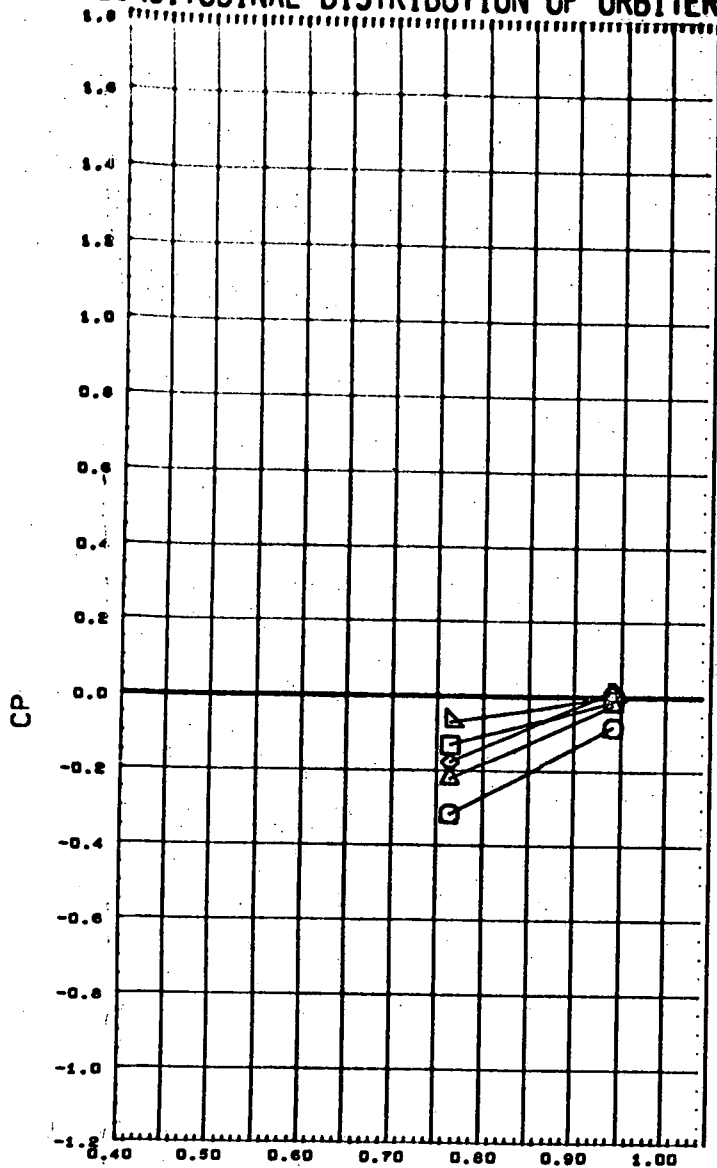


SYMBOL	ALFB	Y/B	M1
○●	2.170	0.230	1.199
△	4.167	0.399	
◇	5.940		
□	8.201		
○	10.161		

REFERENCE FILE

X/L	PARAMETRIC VALUES	
BETA	0.000	OX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

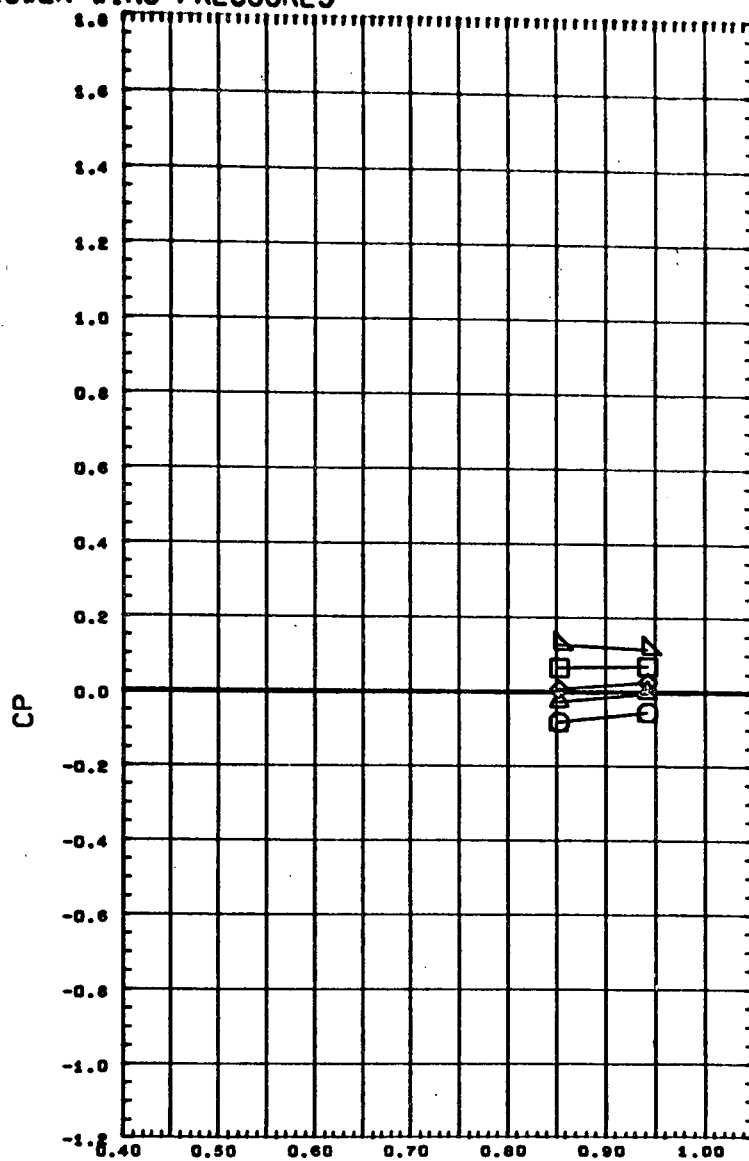
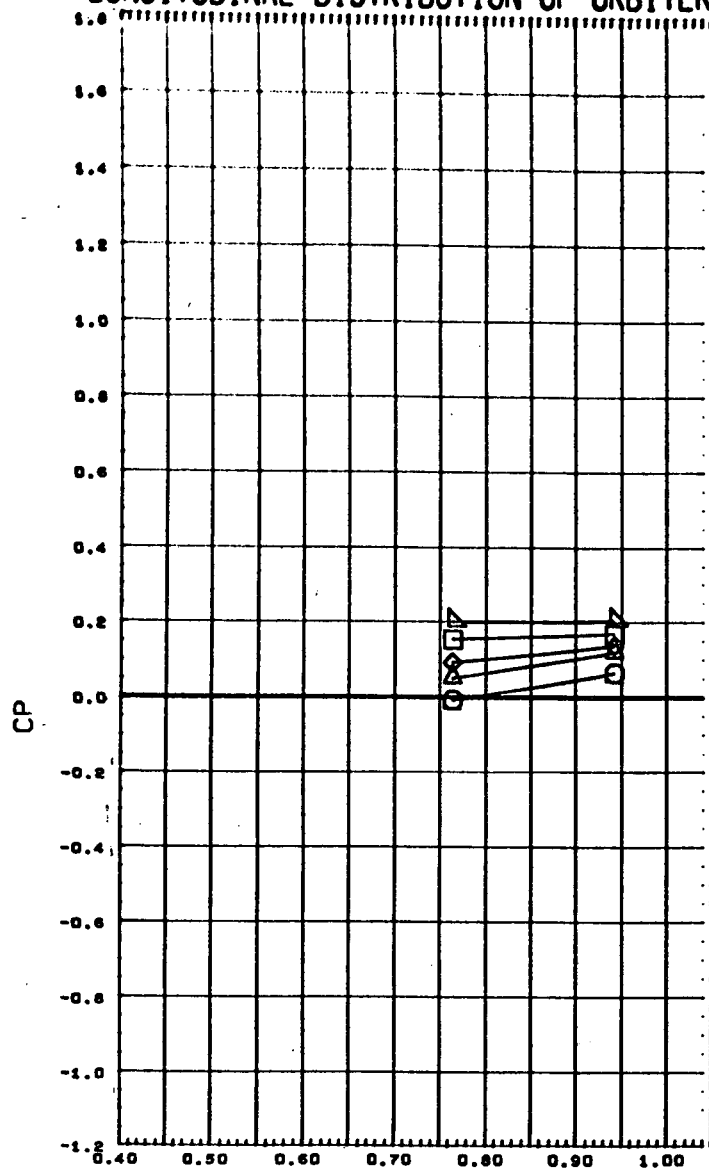


SYMBOL	X/L		
	ALFB	Y/B	M1
○	- 8.312	0.568	1.199
△	- 5.768	0.738	
◇	- 4.439		
□	- 2.183		
◻	0.219		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

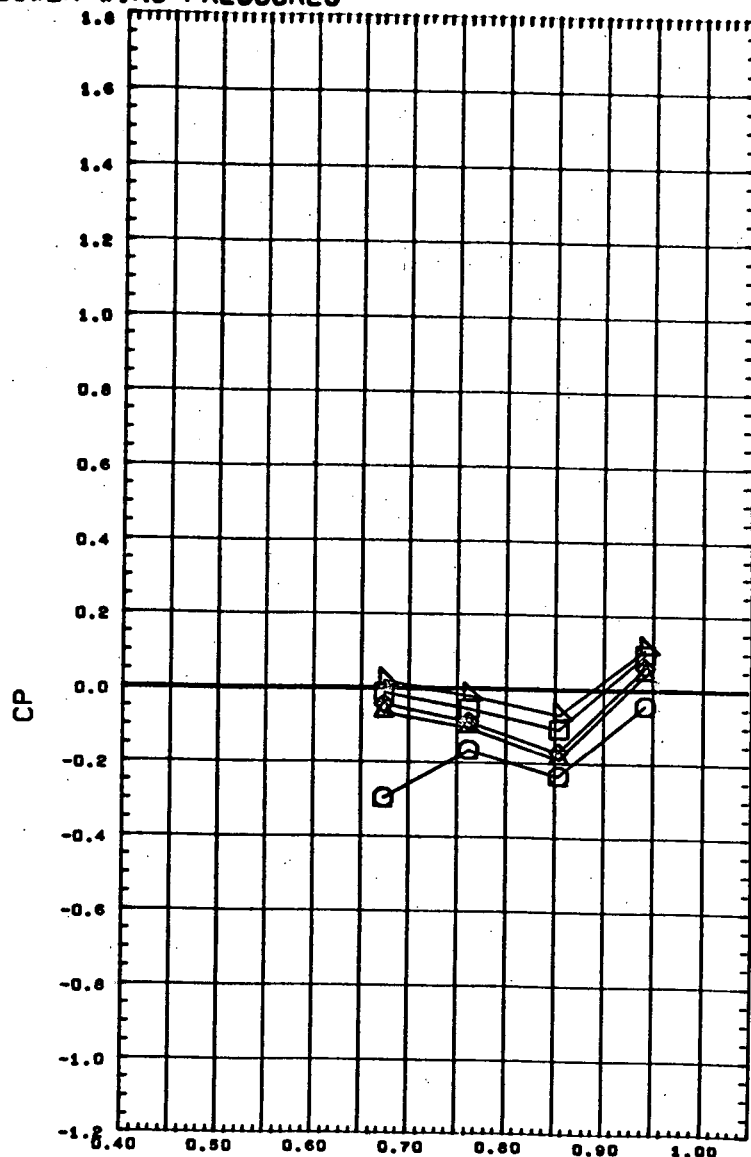
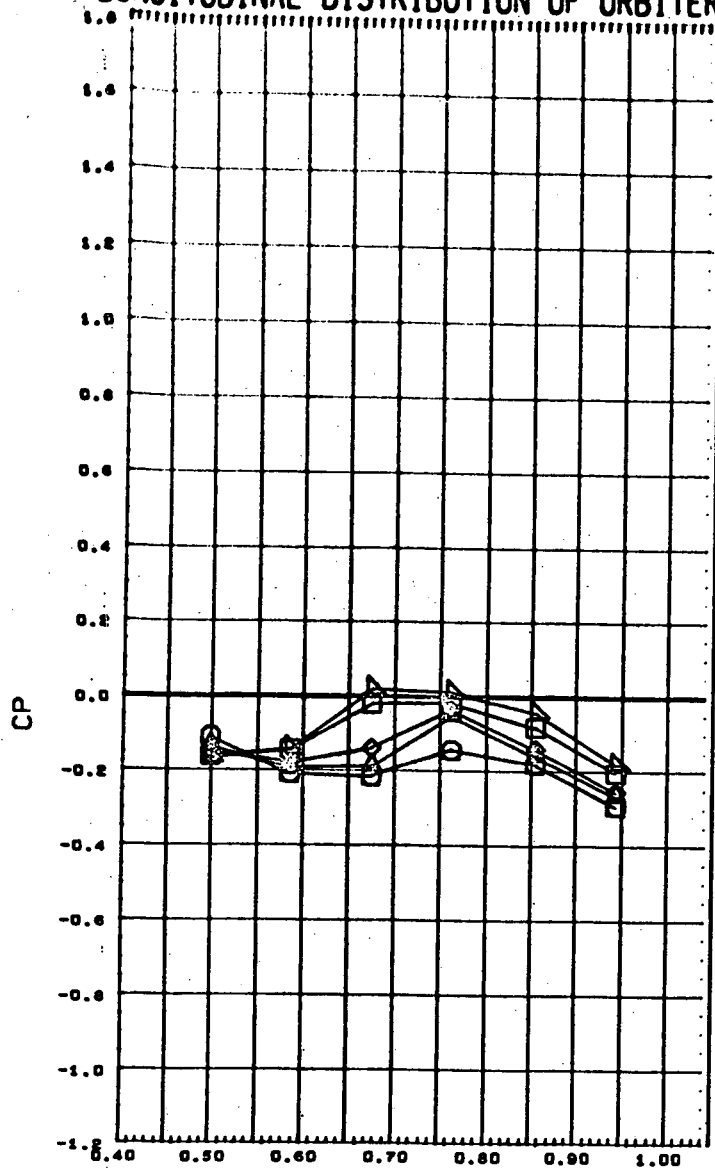


SYMBOL	X/L		
	ALFB	Y/B	M1
	2.170	0.568	1.199
	4.167	0.738	
	5.540		
	8.201		
	10.161		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0X/L
	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

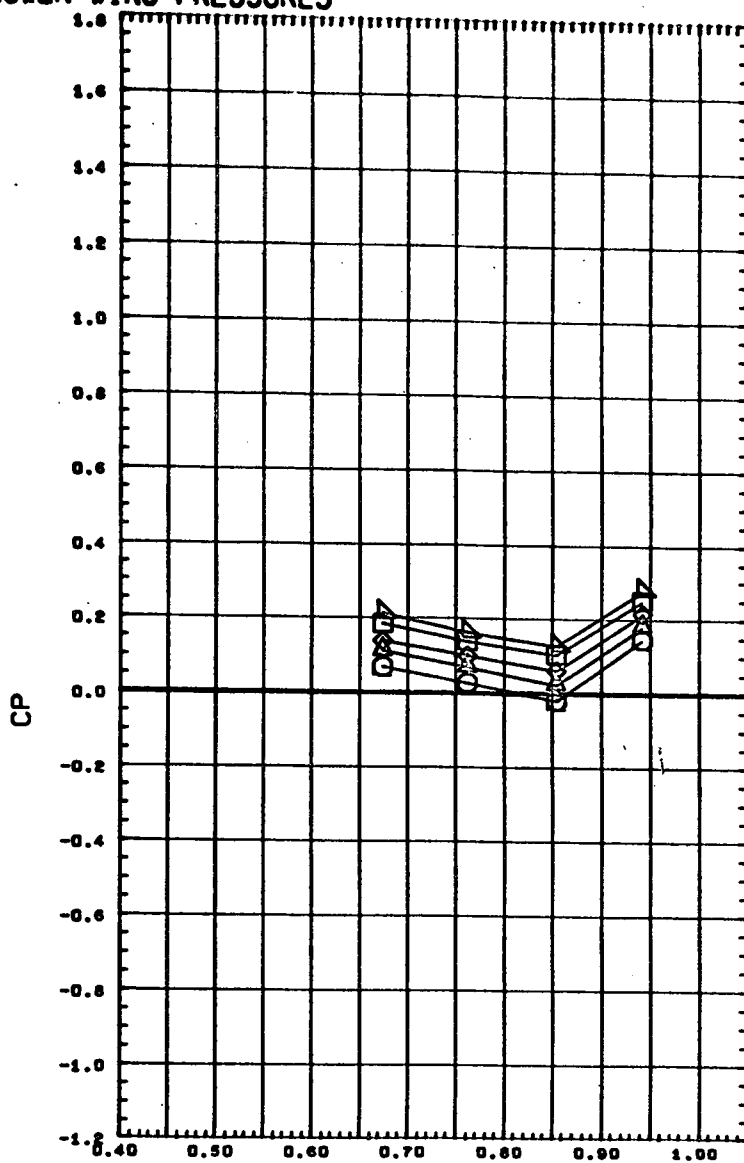
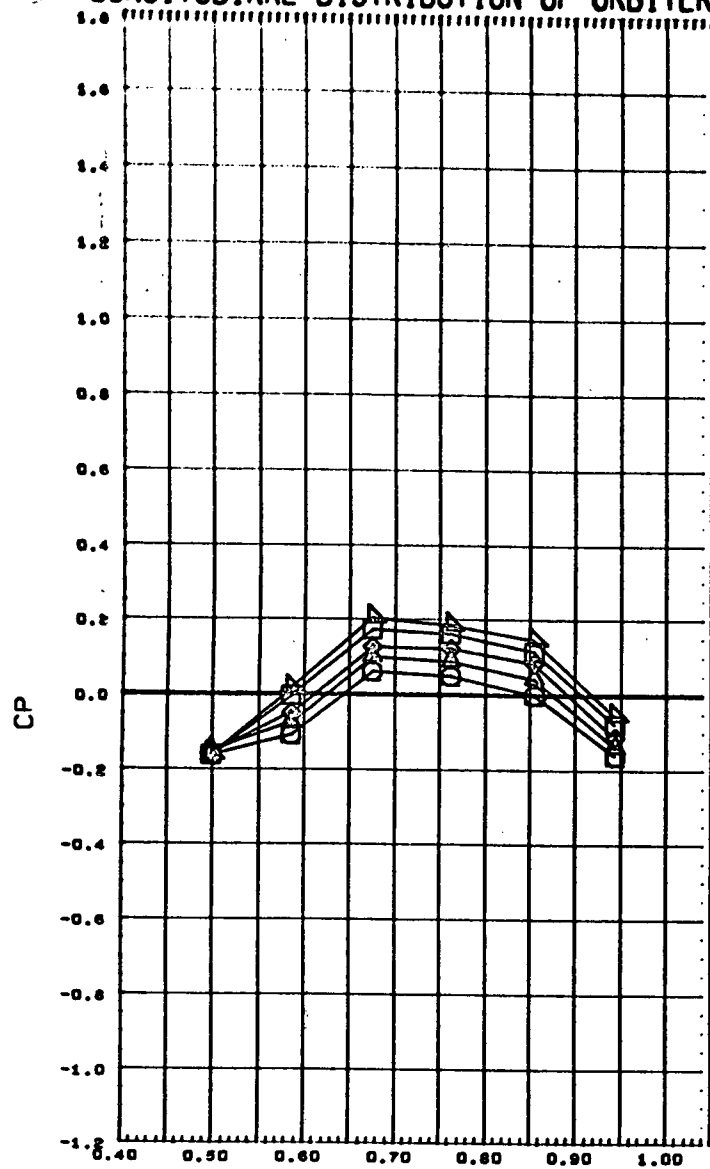
SYMBOL	ALFB	Y/B	M1
○	8.330	0.230	1.300
□	5.772	0.399	
△	4.443		
◇	1.778		
▽	0.181		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	0.000
I	0.000	0.000
	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

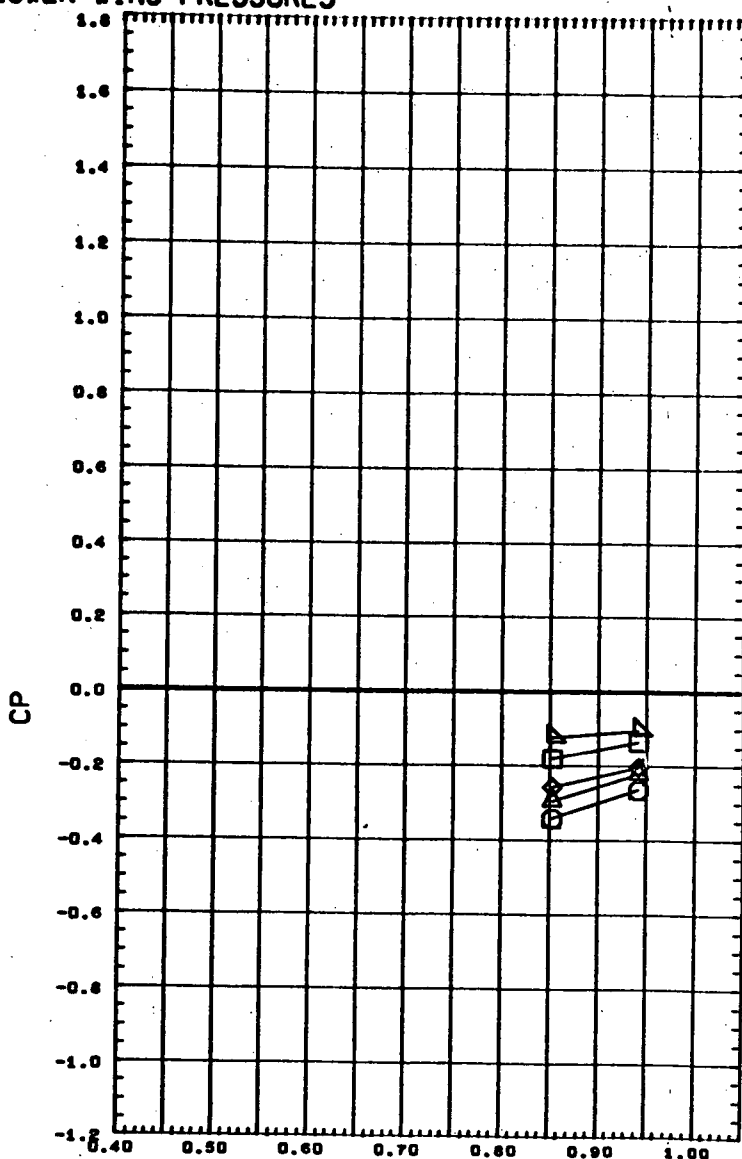
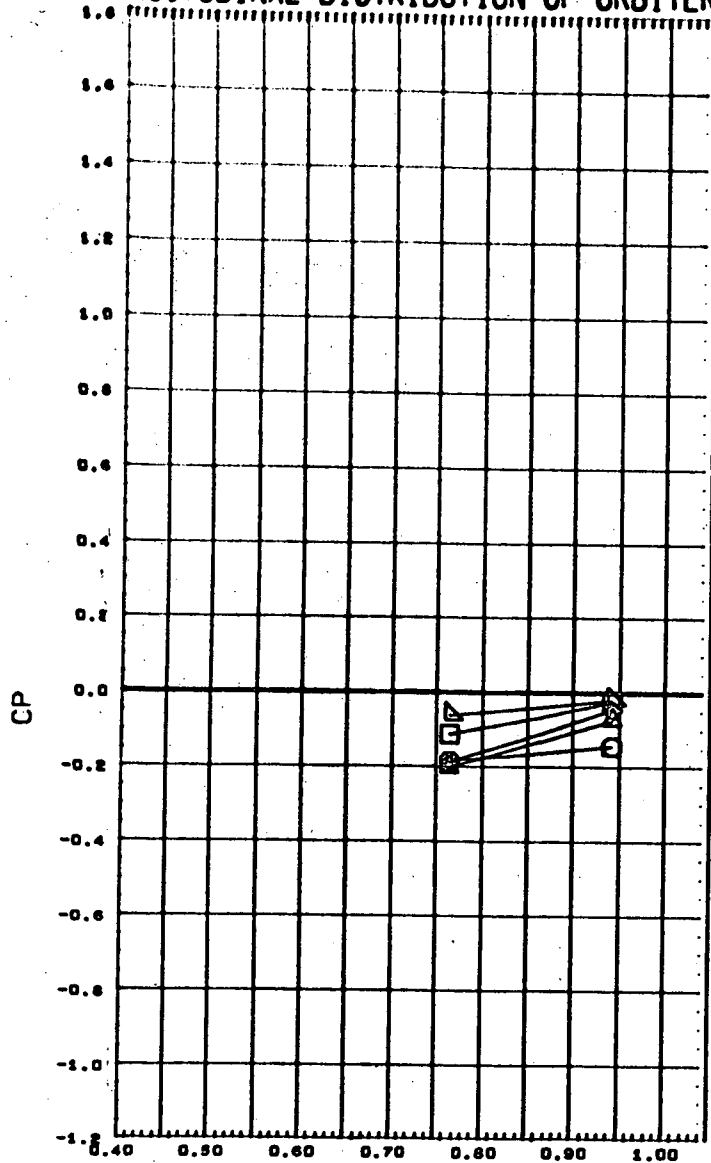


SYMBOL	ALFB	Y/B	M1
○	2.169	0.250	1.300
□	4.179	0.399	
◇	6.168		
△	8.177		
▽	10.171		

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L	0.000
1	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

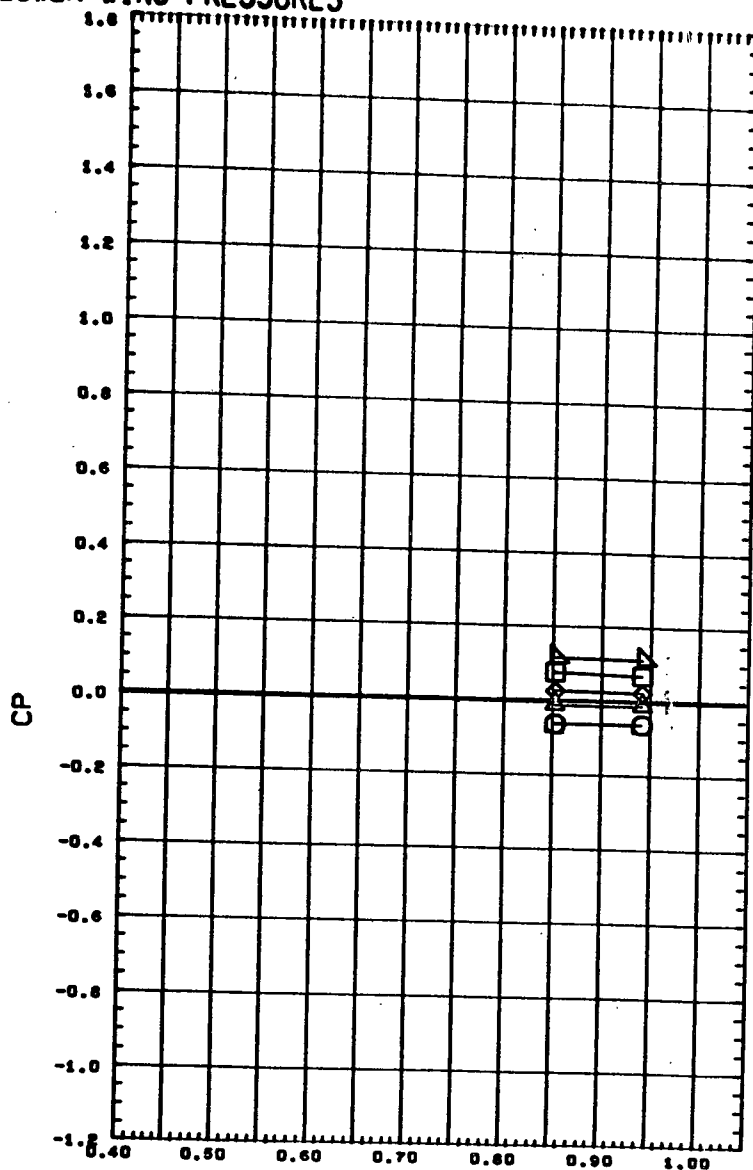
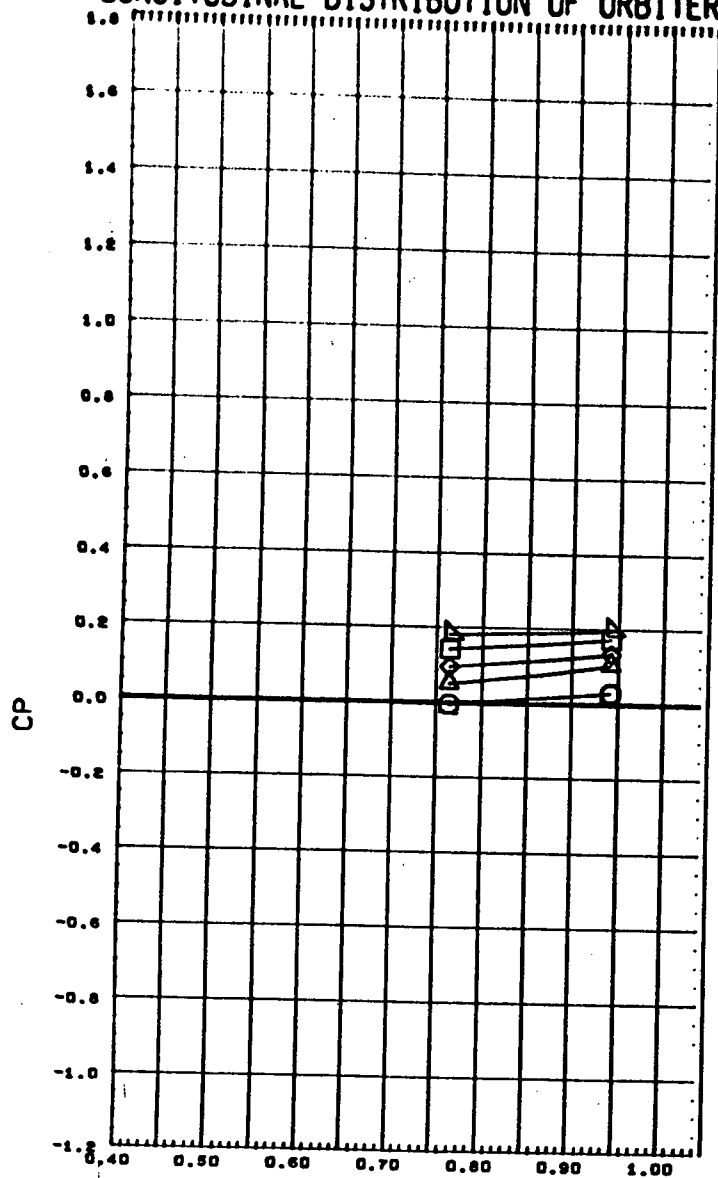


SYMBOL	ALPB	Y/B	M1
◇	8.330	0.568	1.300
□	5.772	0.738	
△	4.443		
○	1.778		
+	0.181		

REFERENCE FILE

BETA	PARAMETRIC VALUES	0X/L	0.000
1	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

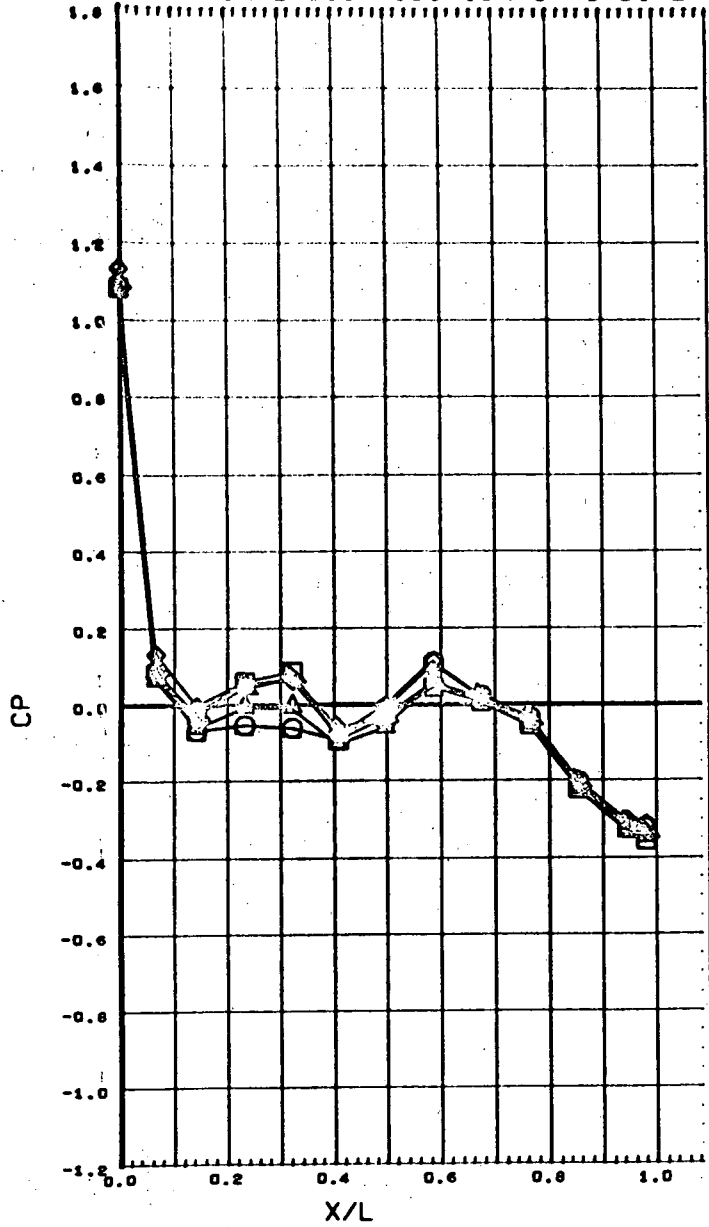


SYMBOL	ALFB	Y/B	M1
○	2.169	0.568	1.300
◇	4.179	0.738	
△	6.168		
□	8.177		
×	10.171		

REFERENCE FILE

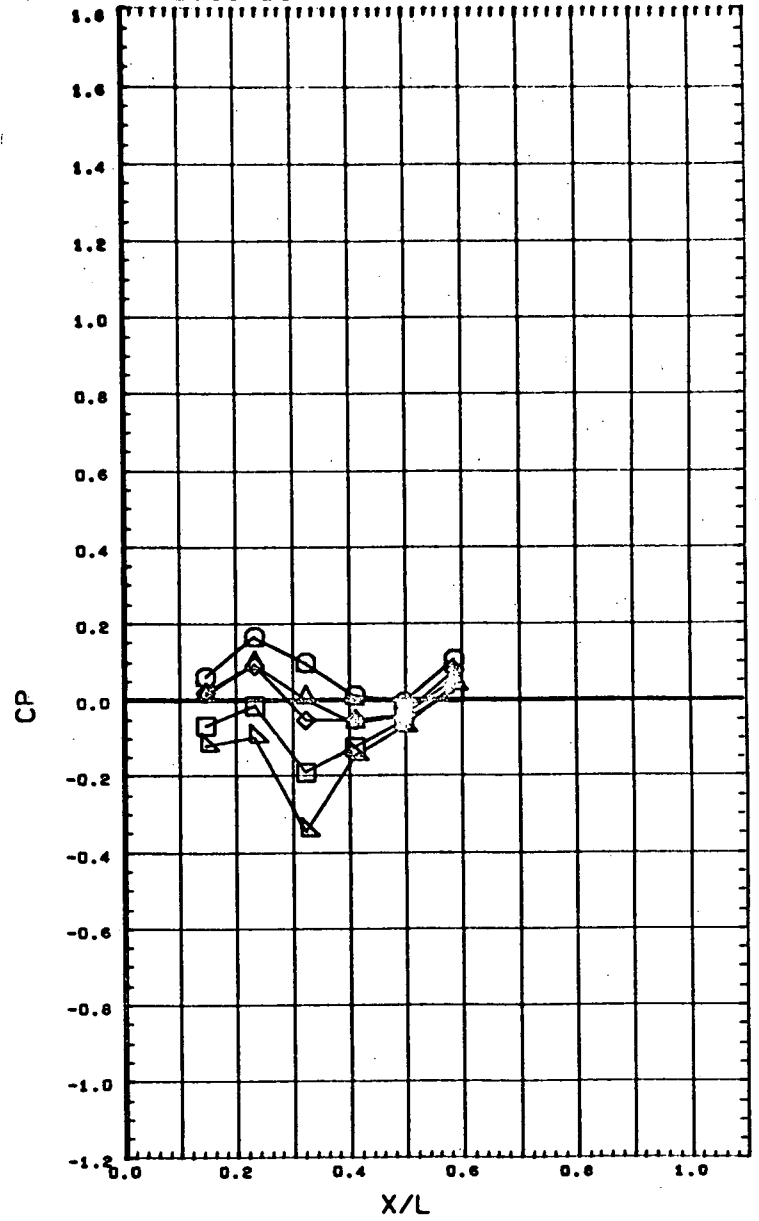
	BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



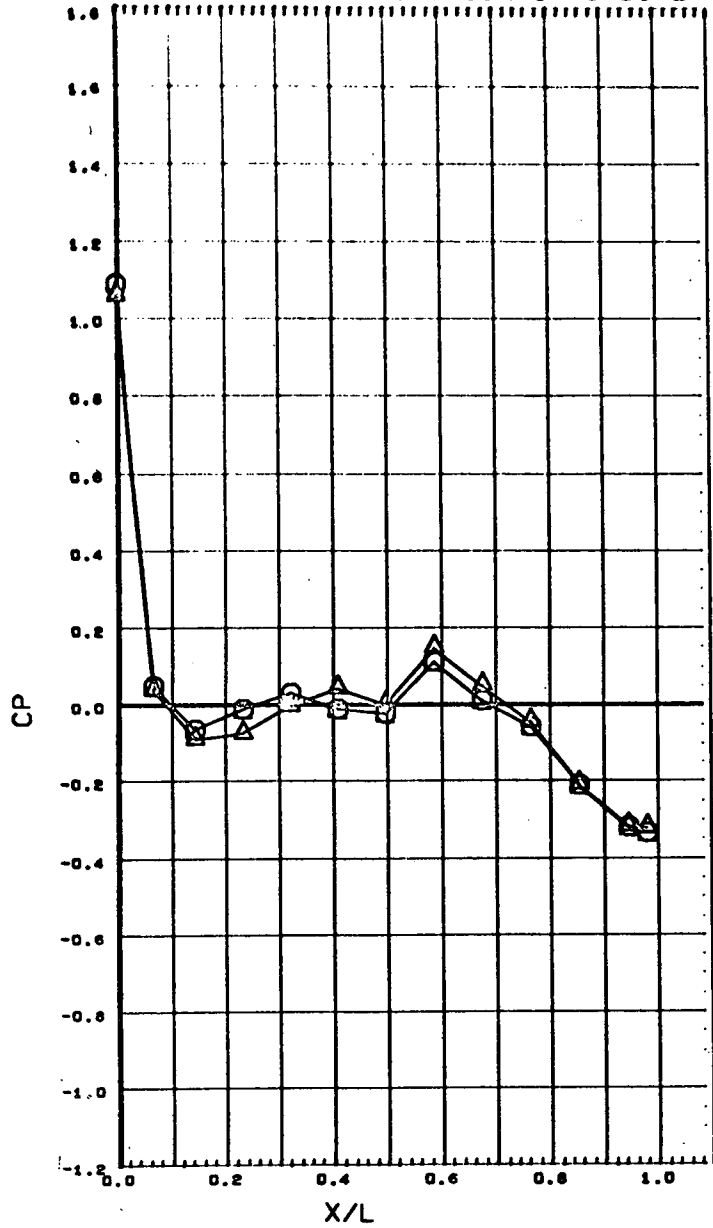
SYMBOL	BETA	Y/B	M1
○	5.991	0.000	0.600
△	4.085	0.076	
◇	2.108		
□	0.293		
■	1.955		

REFERENCE FILE

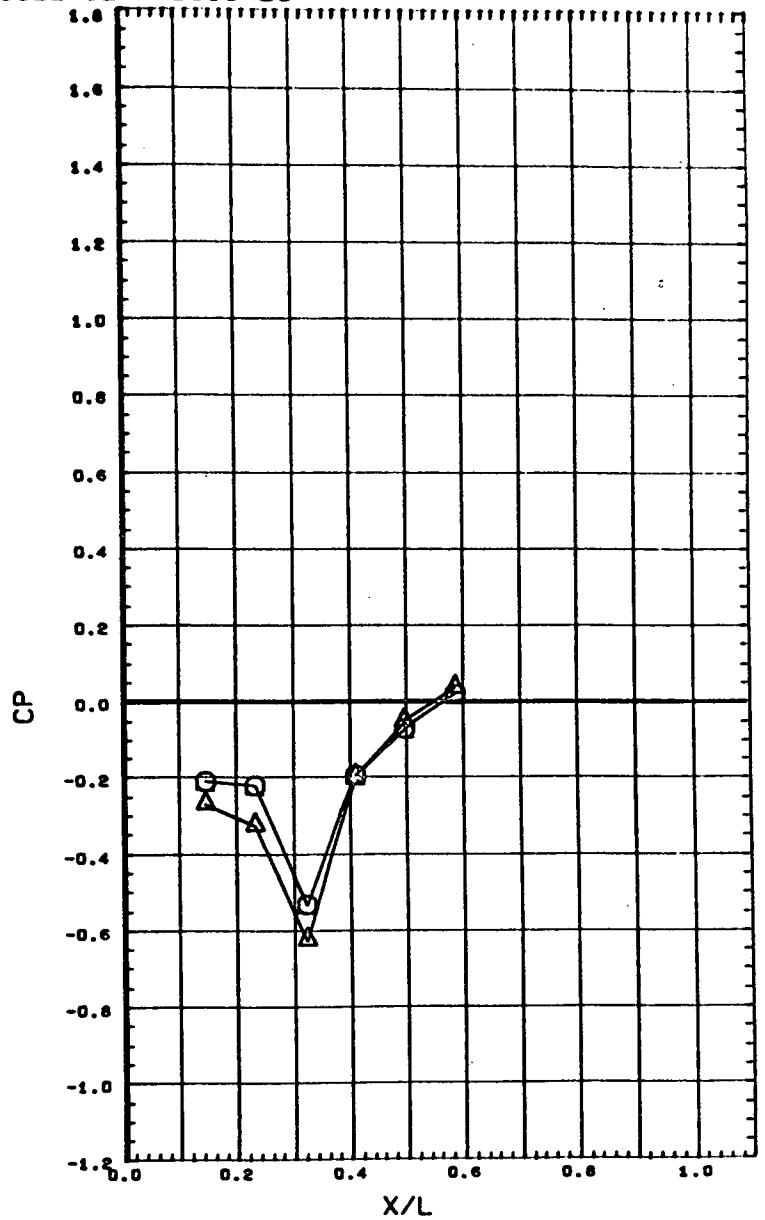


ALFB	PARAMETRIC VALUES	DX/L
0.000		0.000
1	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.018	0.000	0.600
△	5.878	0.076	



	PARAMETRIC VALUES		
ALFB	0.000	DX/L	0.000
I	0.000		

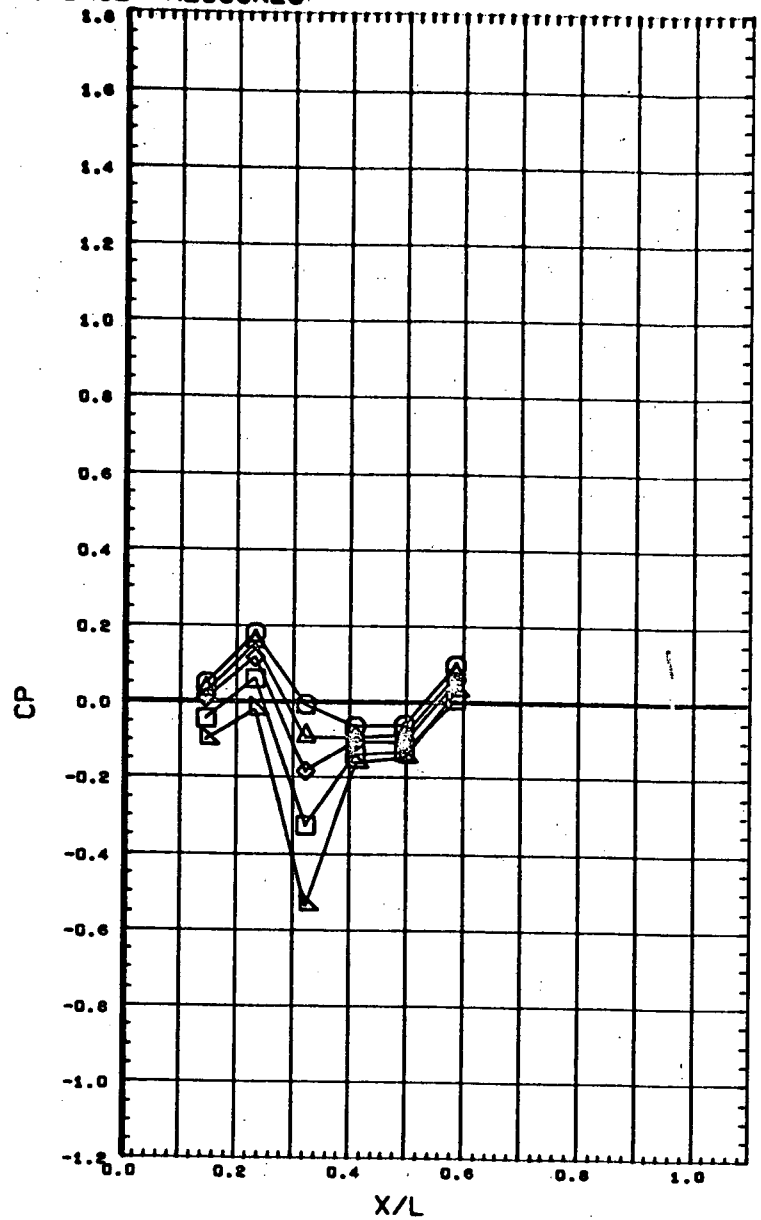
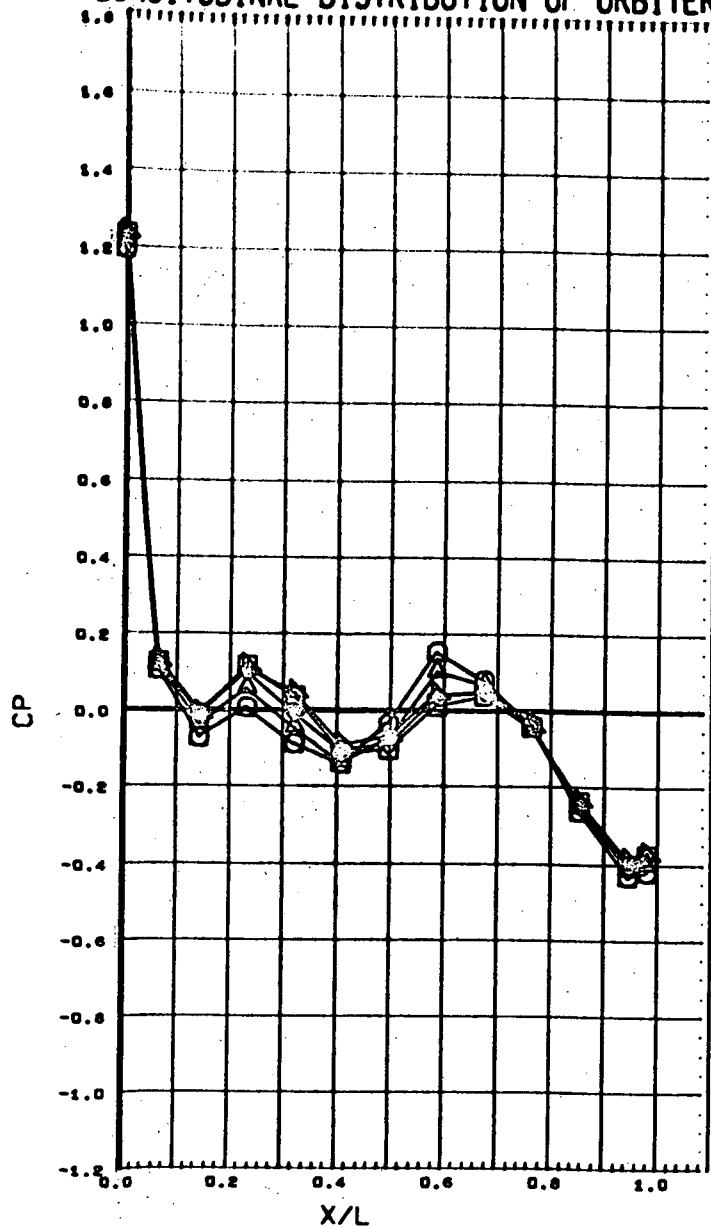
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

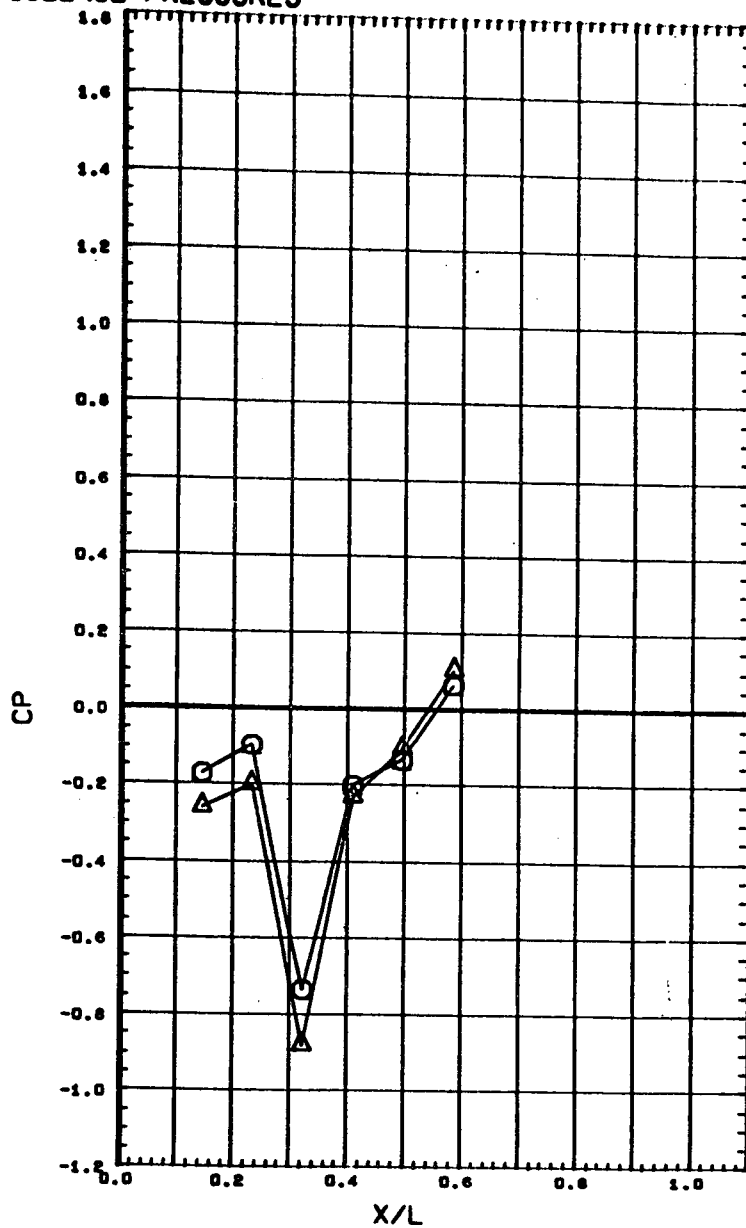
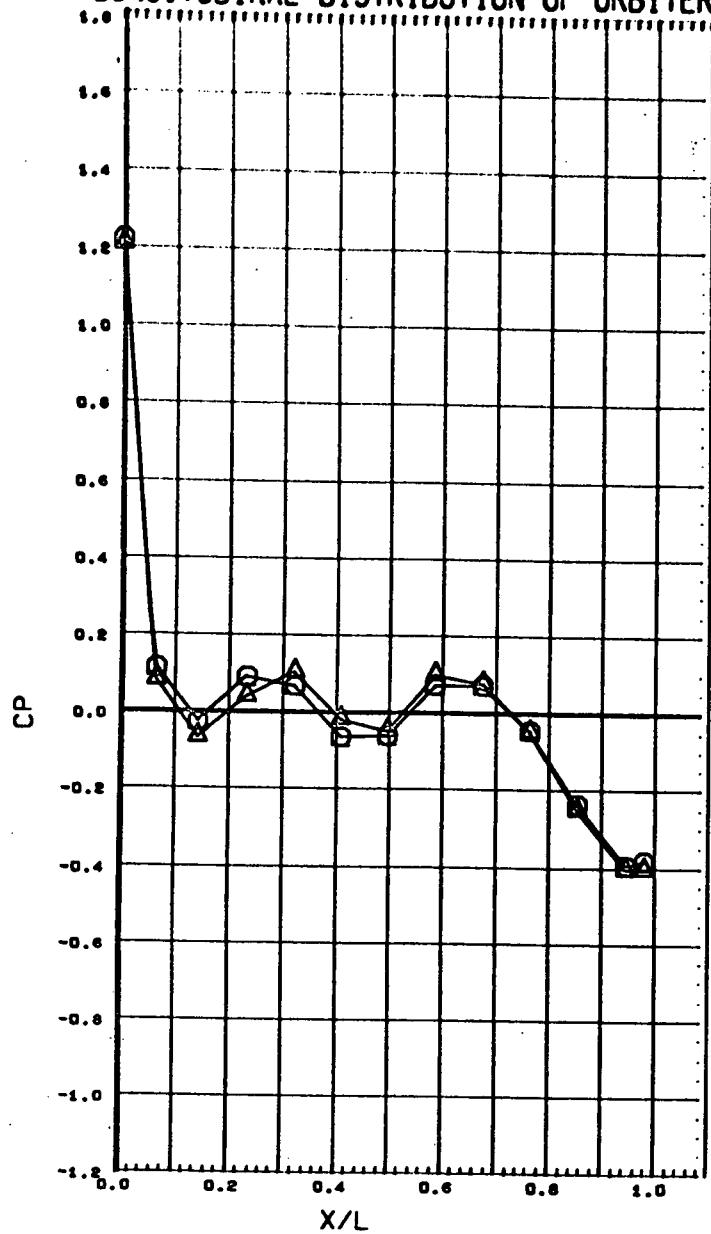


SYMBOL	BETA	Y/B	M1
○	6.014	0.000	0.898
△	4.113	0.076	
◇	2.146		
□	0.287		
▽	2.007		

REFERENCE FILE

ALFB	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL Δ BETA 4.094 Y/B 0.000 M1 0.898
 5.964 0.076

PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.000
 I 0.000

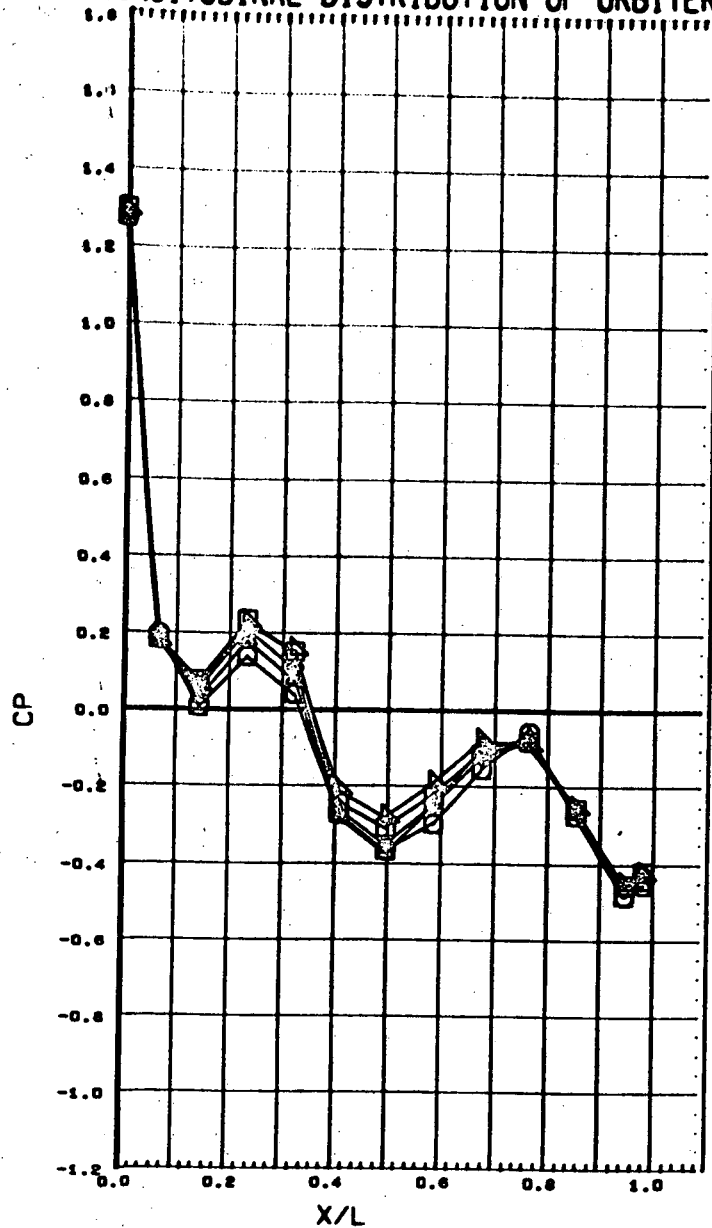
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

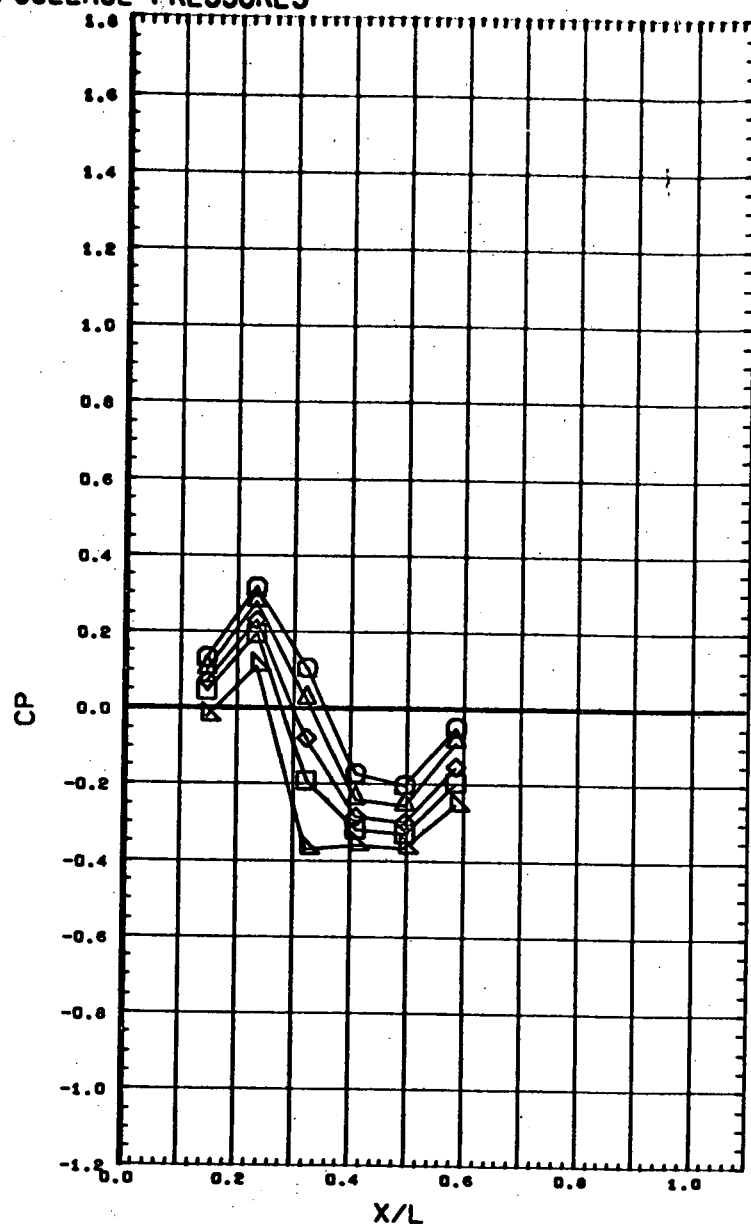
PAGE 40

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



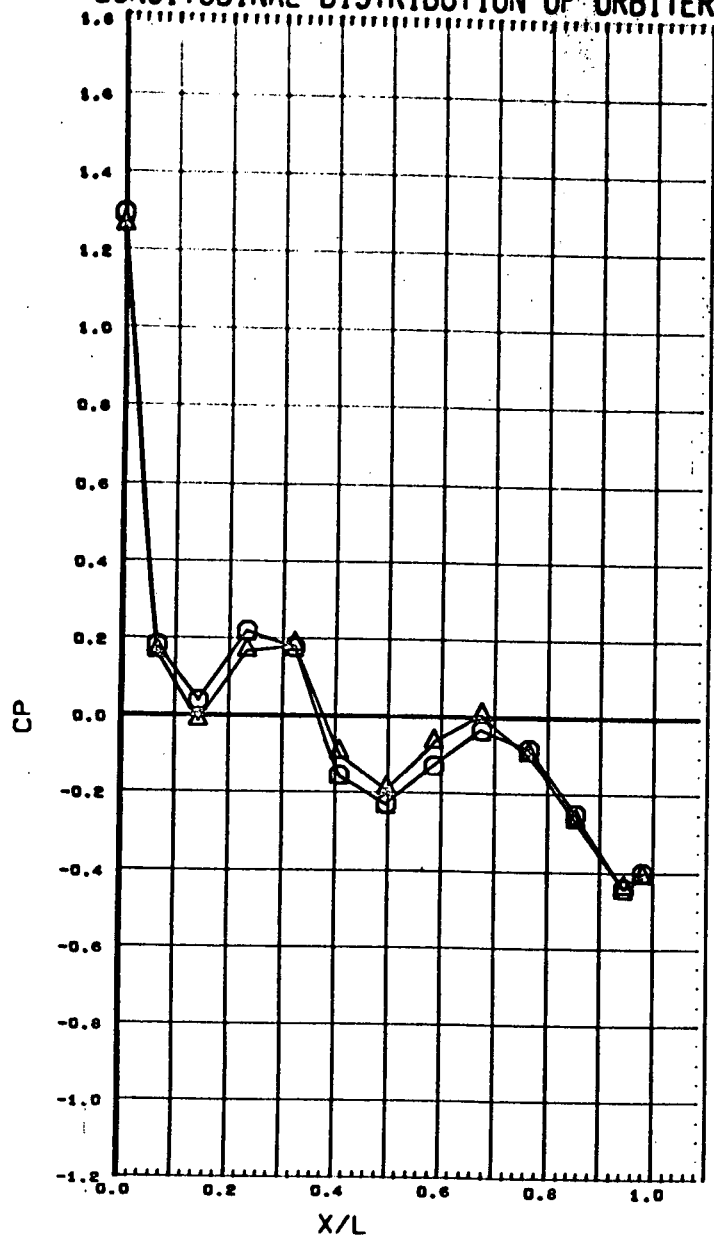
SYMBOL	BETA	Y/B	M1
○	6.082	0.000	1.010
△	4.150	0.076	
◇	2.193		
□	0.281		
▽	2.037		

REFERENCE FILE

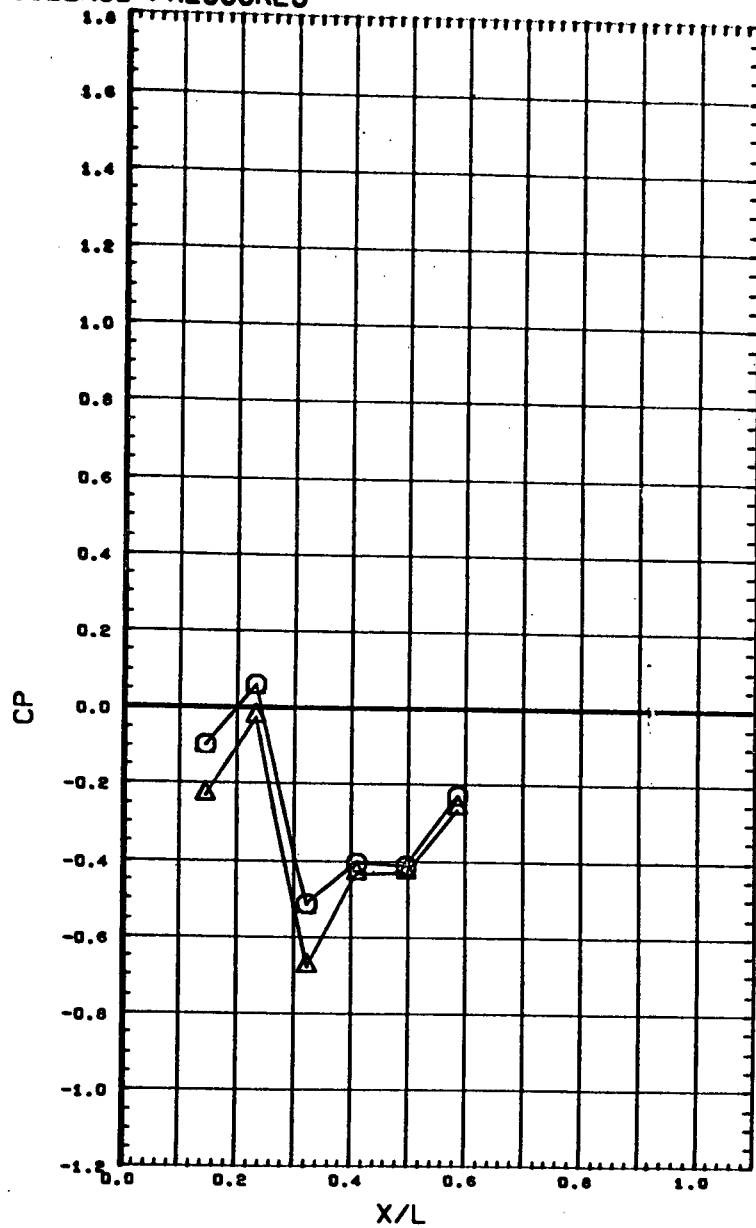


ALPB	PARAMETRIC VALUES	DX/L
I	0.000	0.000
	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.071	0.000	1.010
△	6.041	0.076	



PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

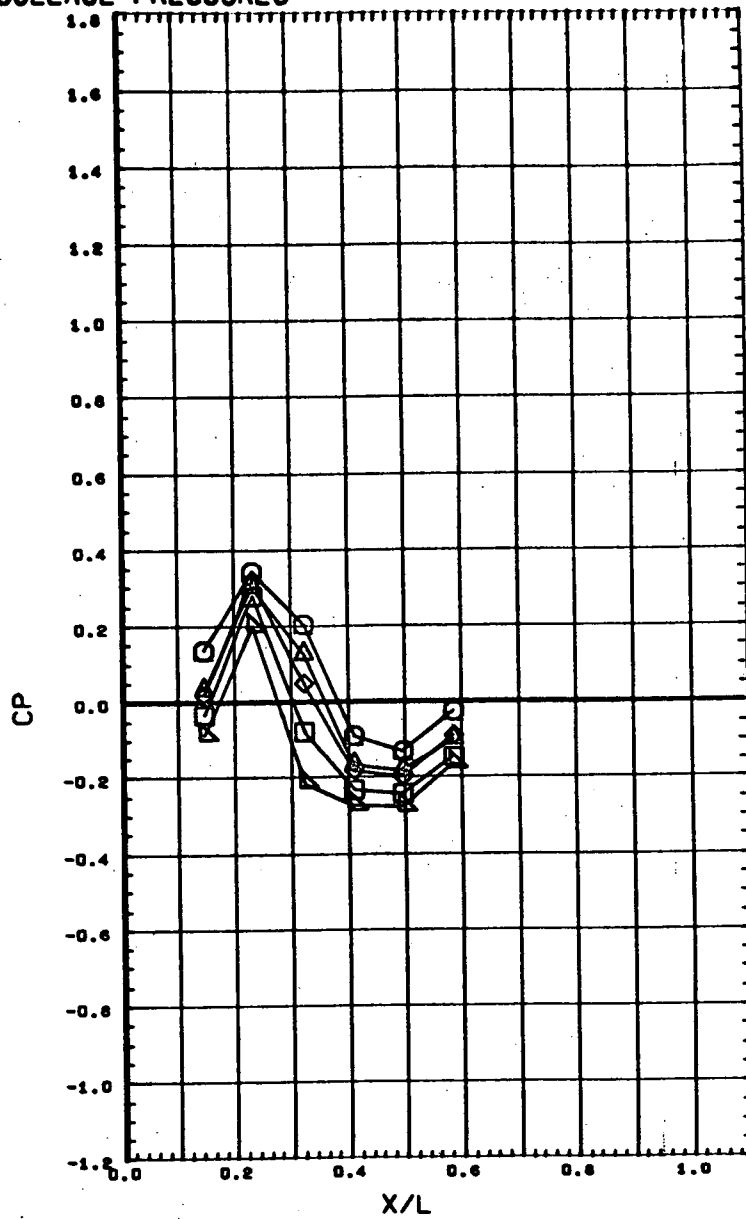
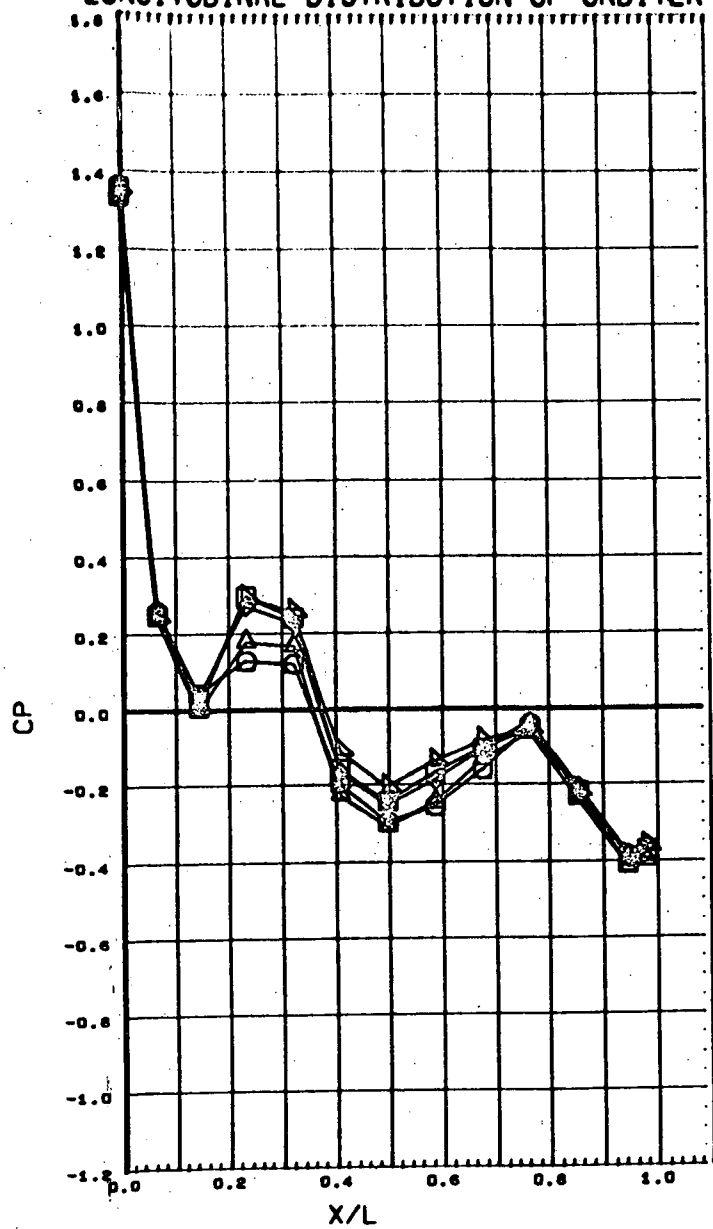
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

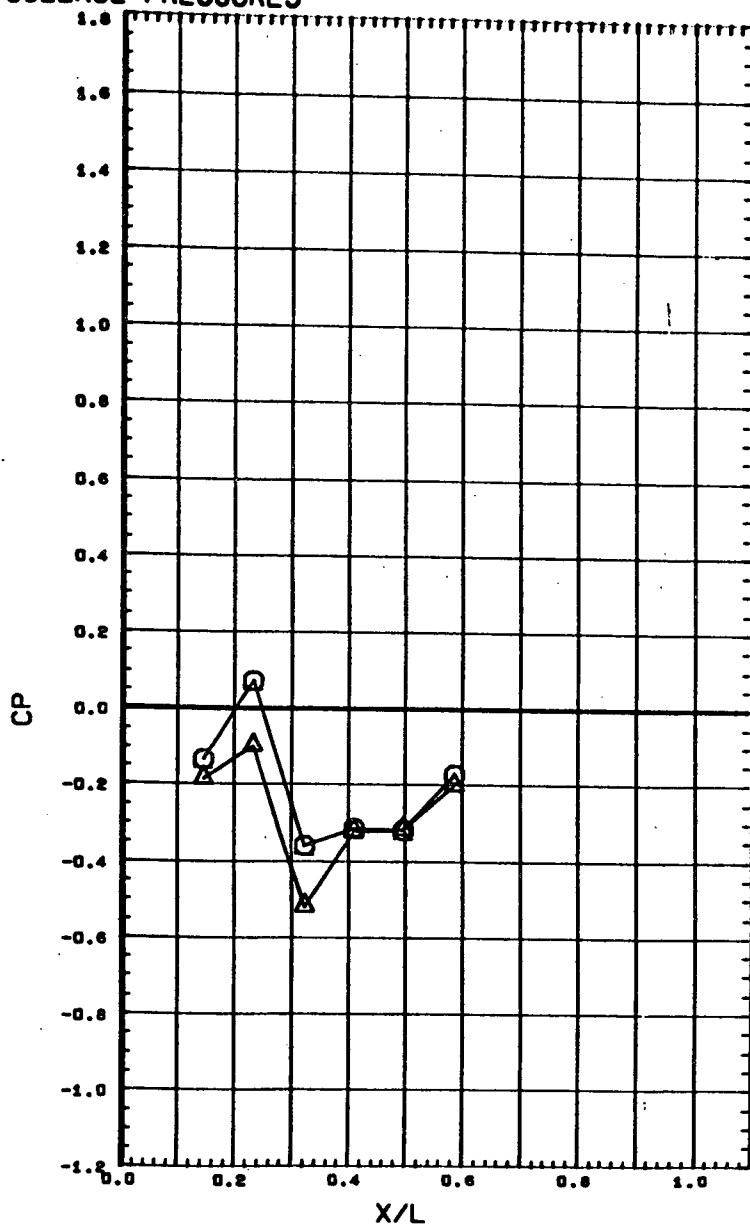
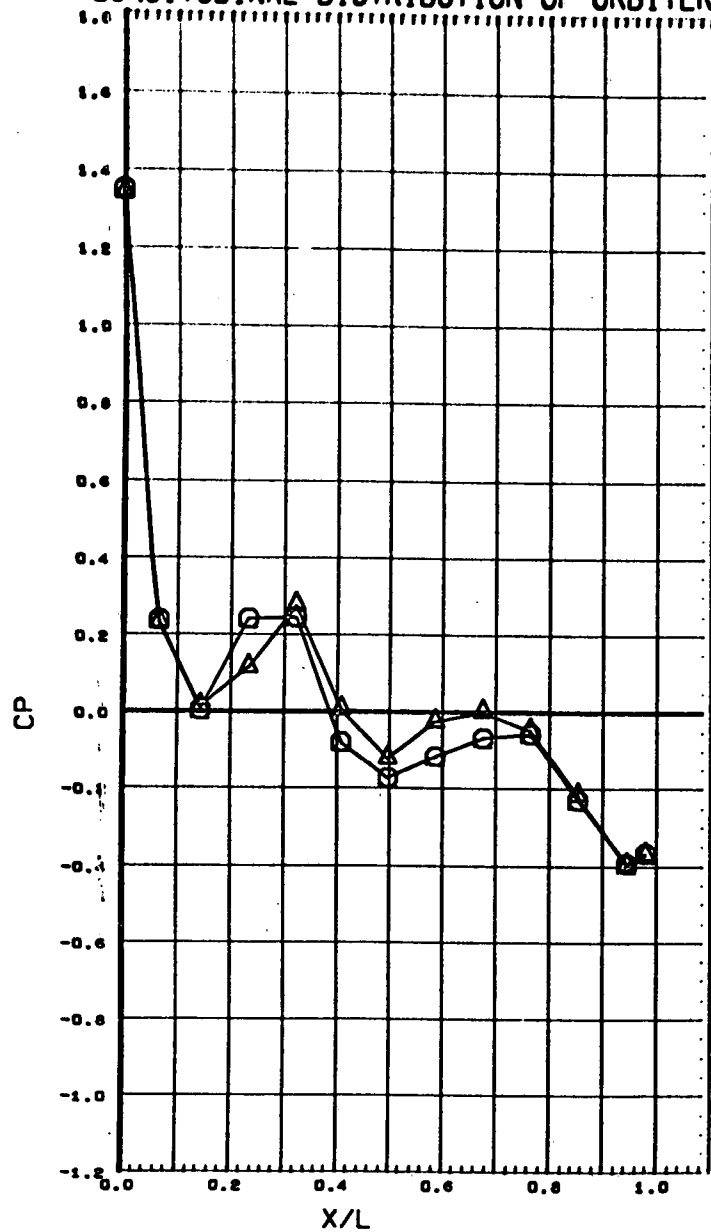


SYMBOL	BETA	Y/B	M1
○	6.306	0.000	1.101
△	4.084	0.076	
◇	2.015		
□	0.247		
▽	1.831		

REFERENCE FILE

ALFB	PARAMETRIC VALUES	0.000	0.000
I		0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.893	0.000	1.101
△	6.209	0.076	

PARAMETRIC VALUES		
ALPB	0.000	0.000
I	0.000	

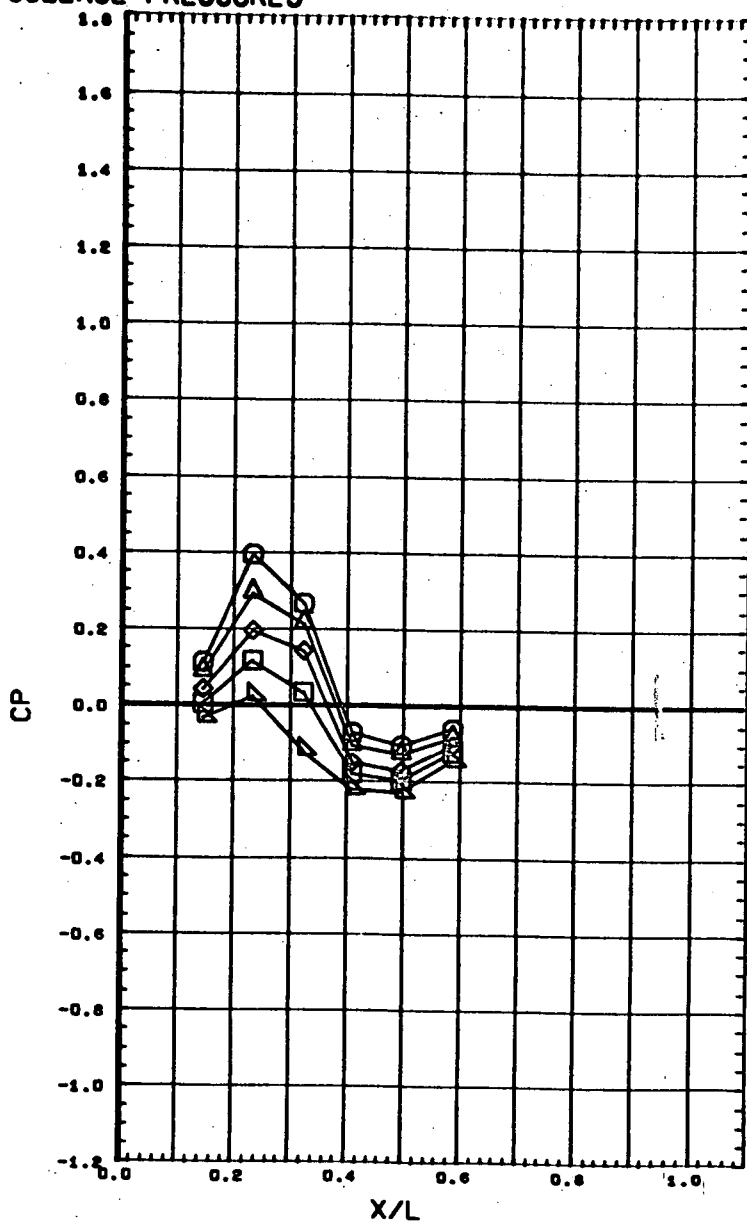
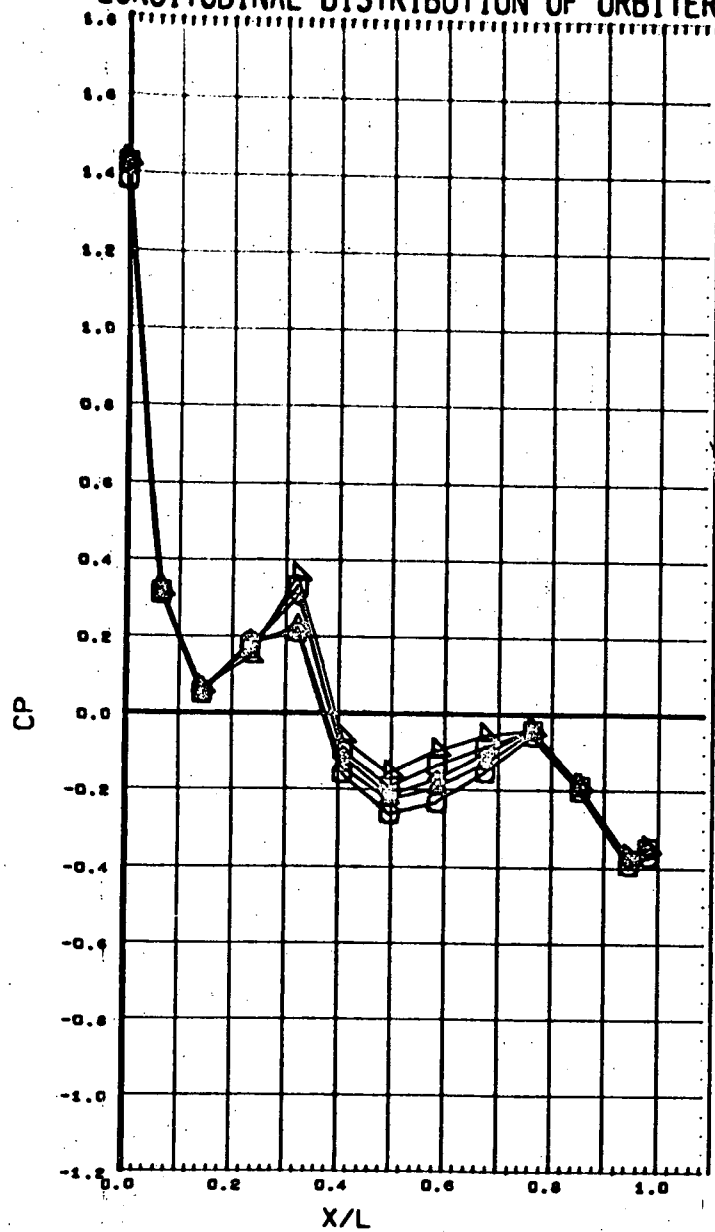
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

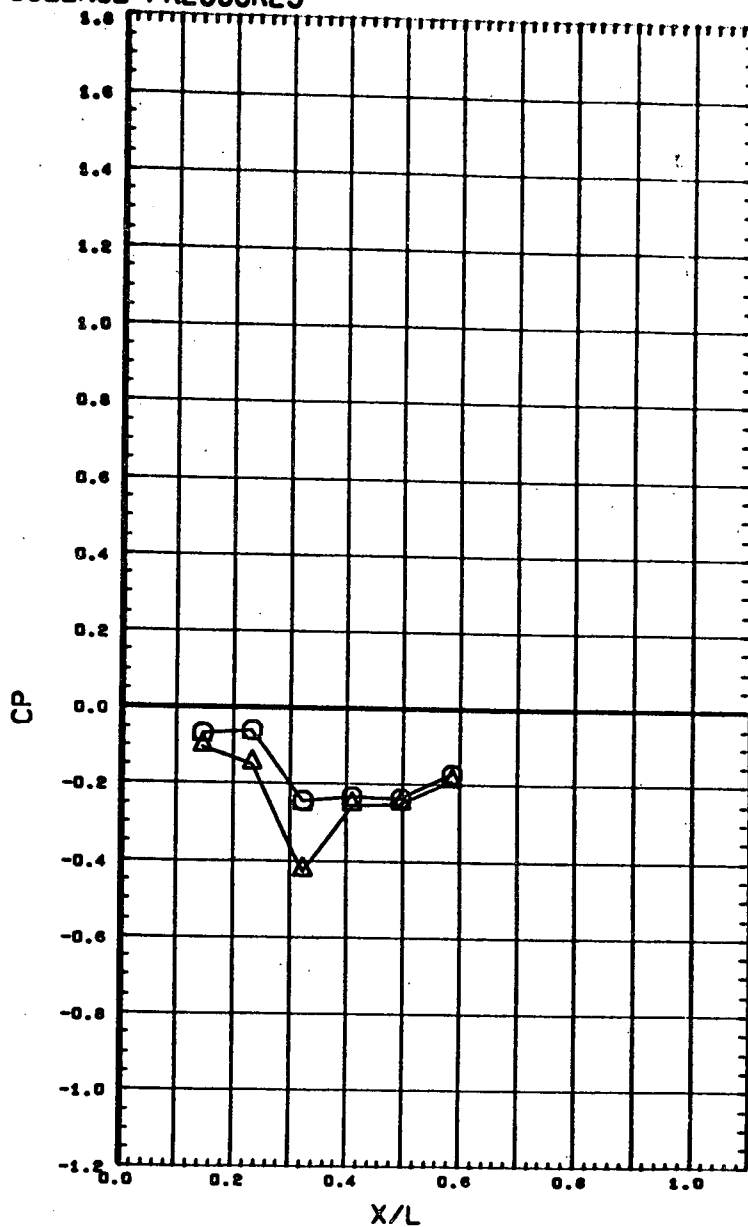
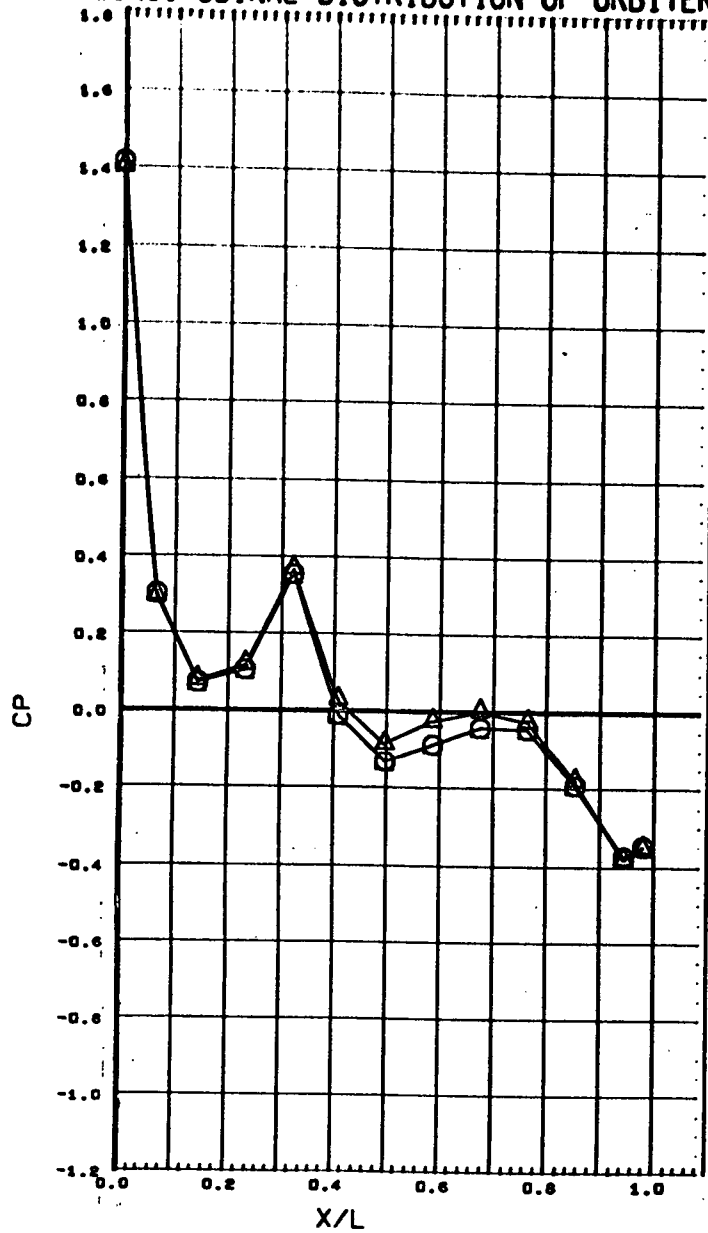


SYMBOL	BETA	Y/B	M1
△	6.196	0.000	1.201
○	4.116	0.076	
◇	2.016		
□	0.241		
▽	2.057		

REFERENCE FILE

PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL \bigcirc \triangle BETA 3.912 5.999 Y/B 0.000 0.076 M1 1.201

PARAMETRIC VALUES ALPB 0.000 I 0.000 DX/L 0.000

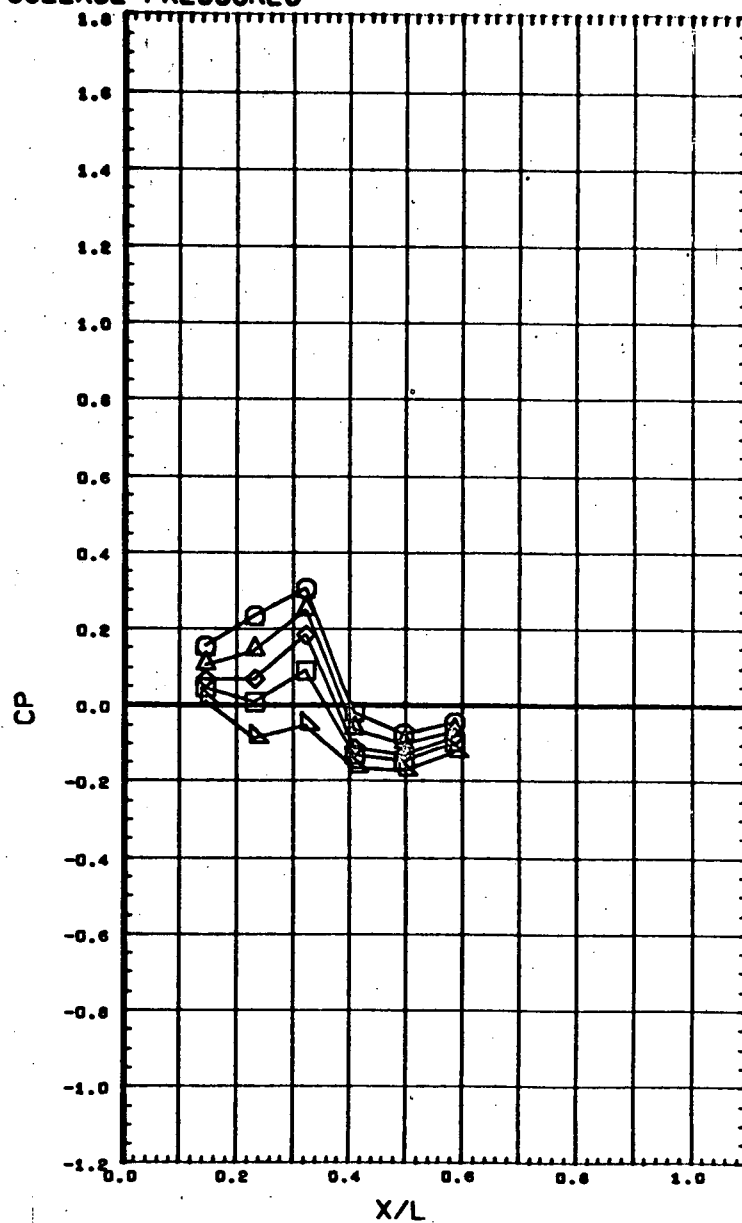
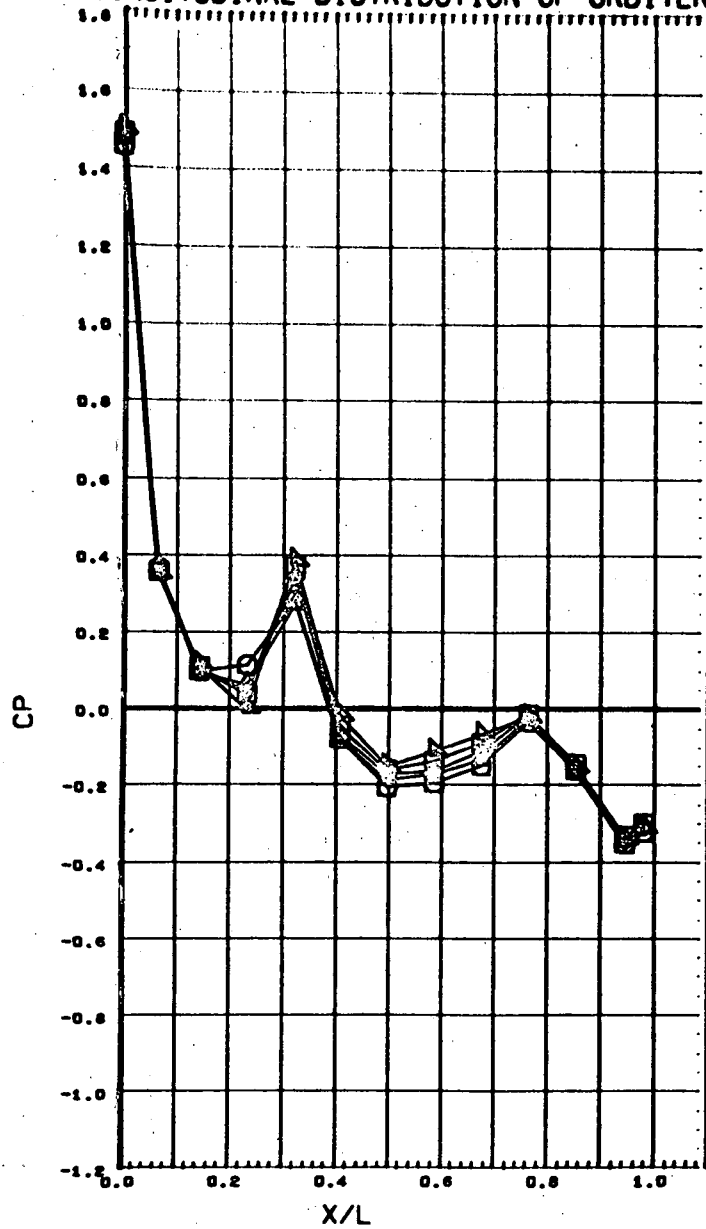
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

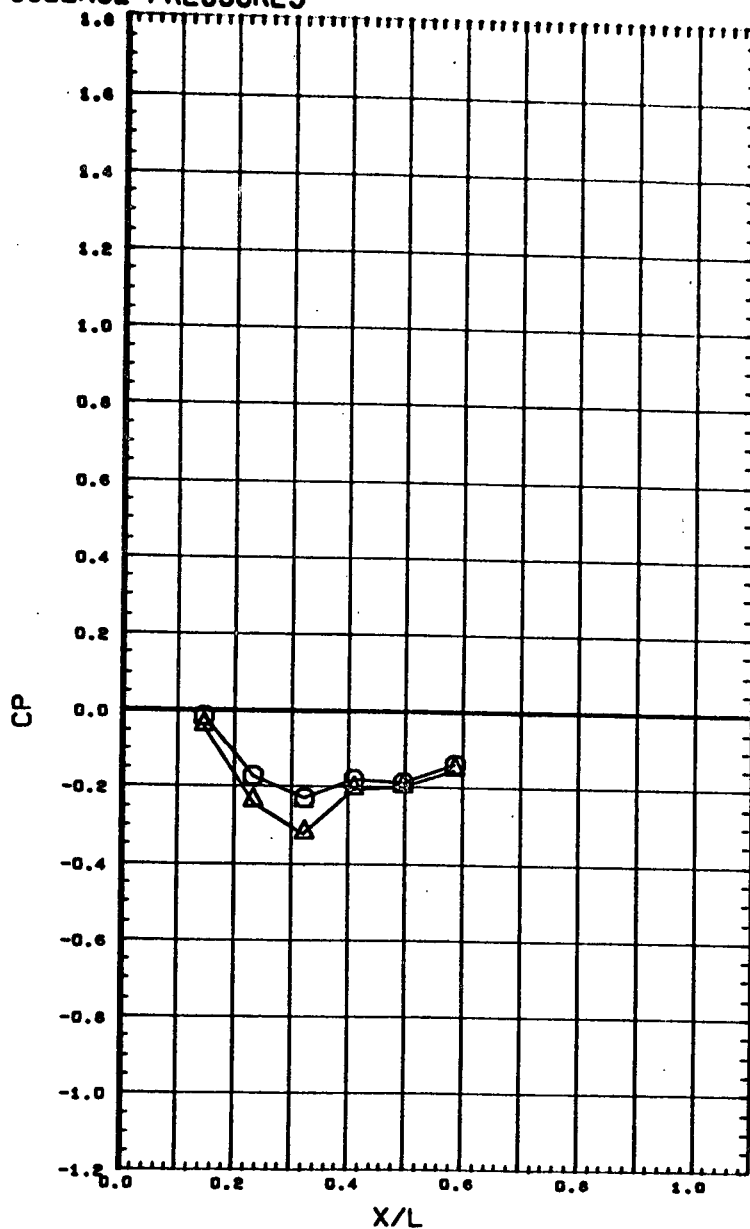
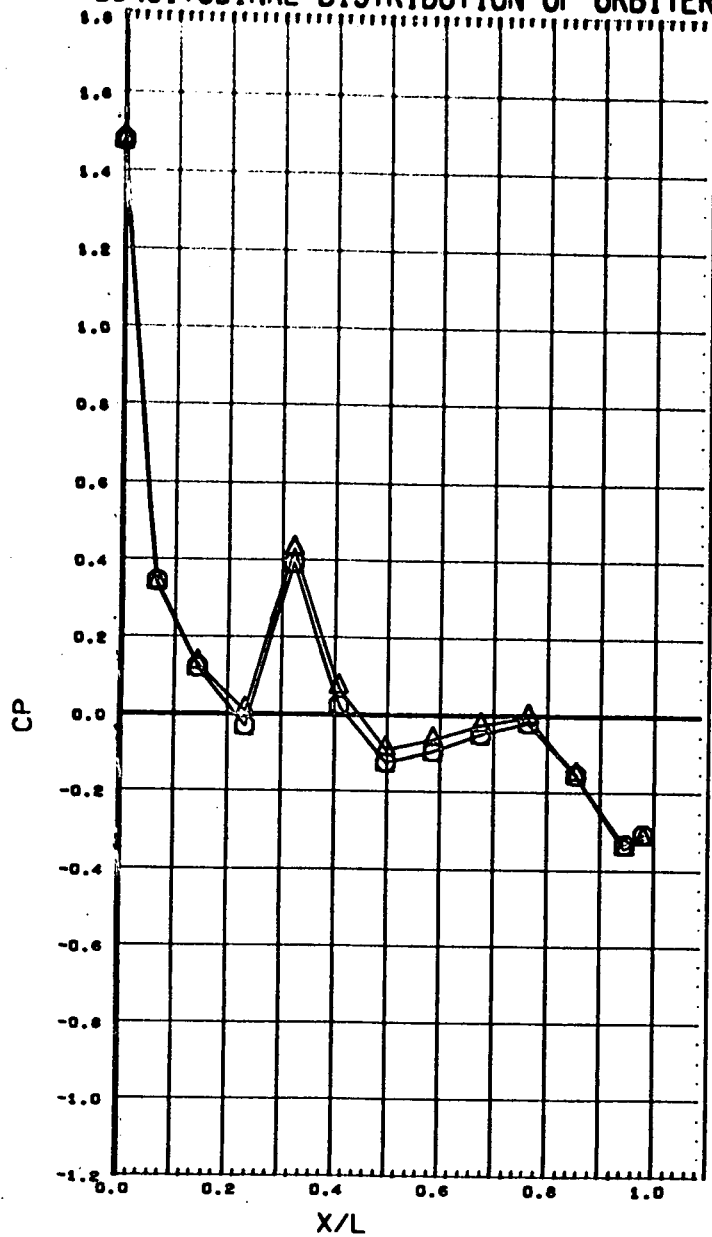


SYMBOL	BETA	Y/B	M1
○	6.203	0.000	1.302
△	4.105	0.076	
◇	2.025		
□	0.252		
▽	1.830		

REFERENCE FILE

PARAMETRIC VALUES		
ALPB	0.000	OX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
O	3.690	0.000	1.302
Δ	5.994	0.076	

ALFB	PARAMETRIC VALUES	DX/L	
1	0.000	0.000	0.000
	0.000		

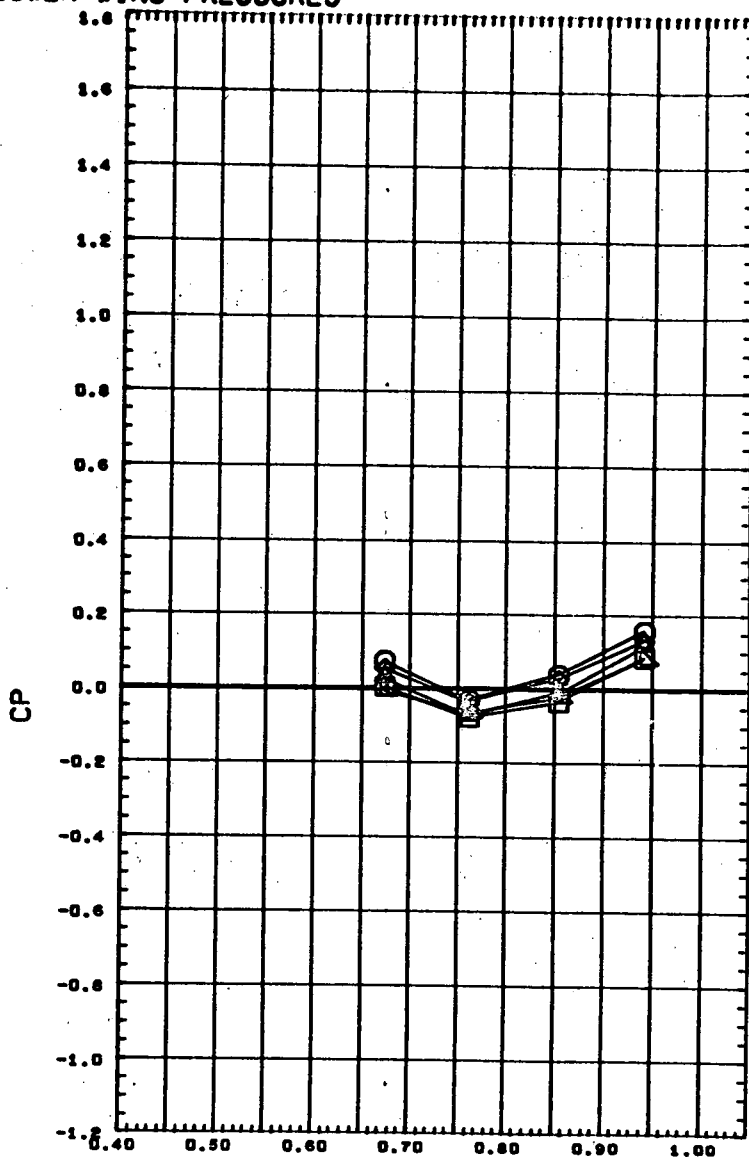
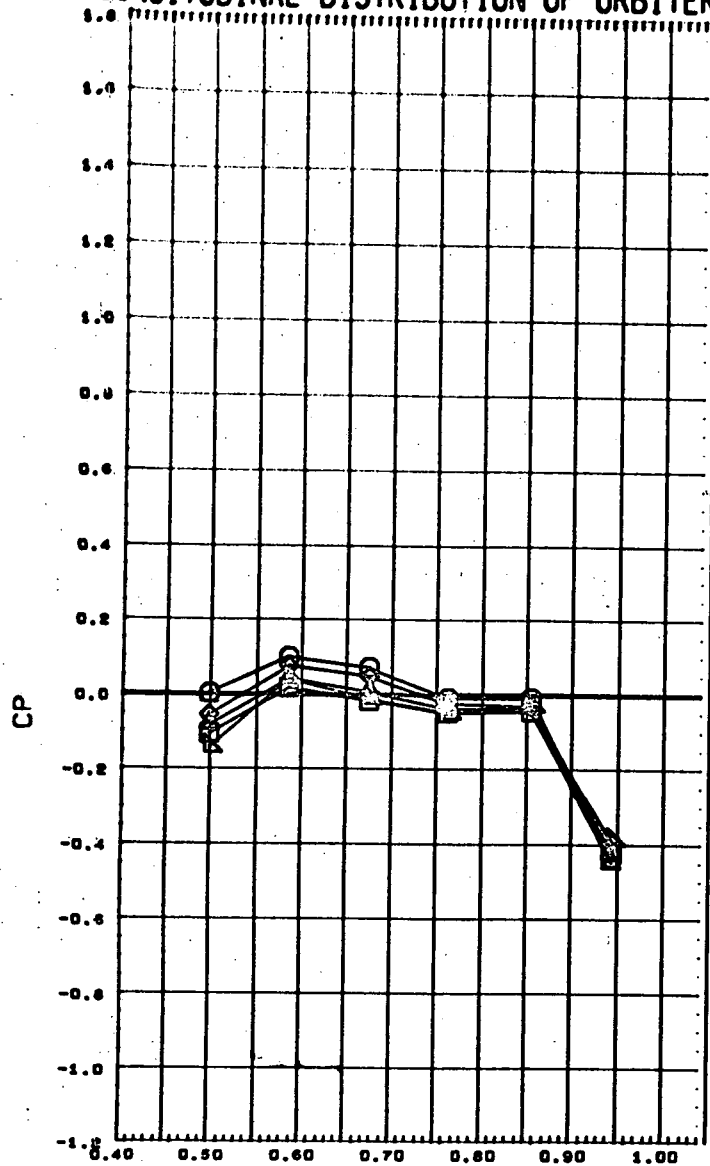
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

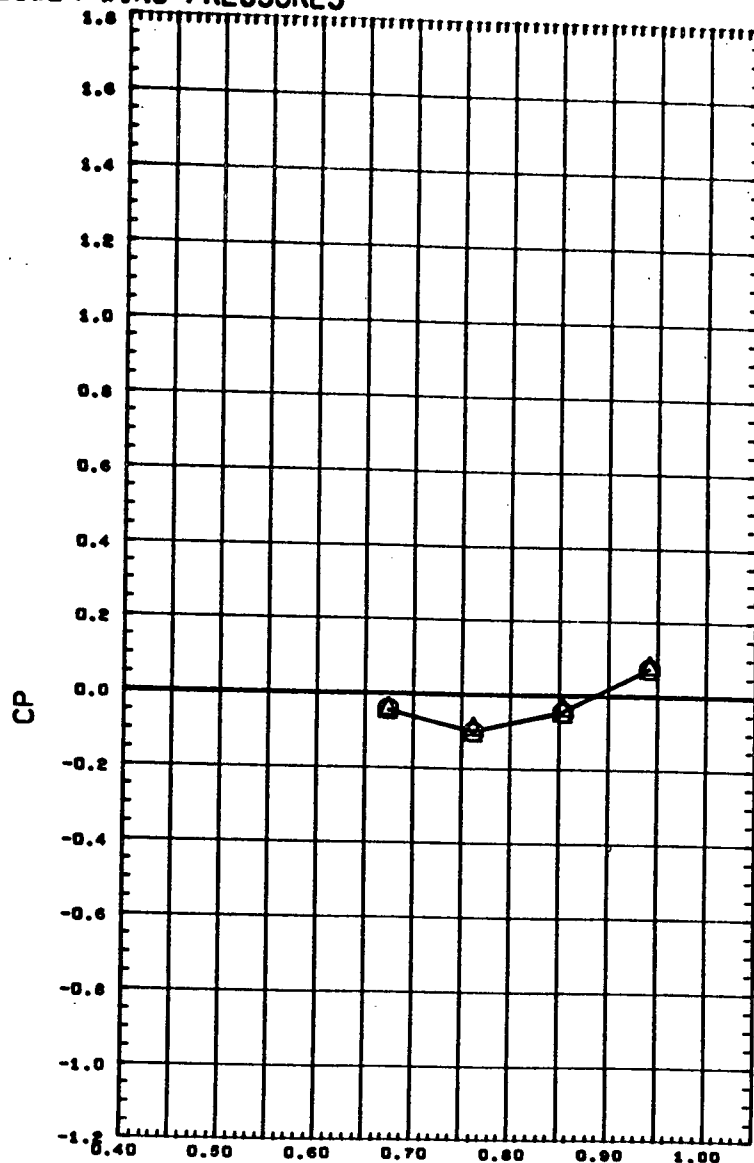
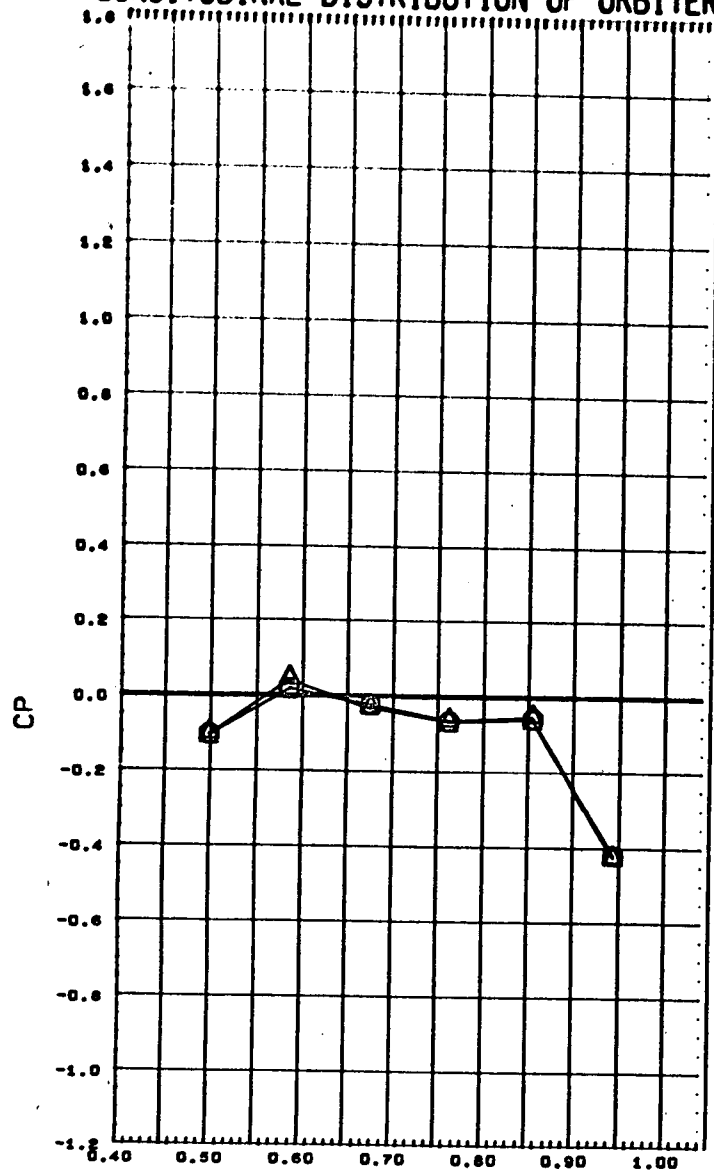


X/L			
SYMBOL	BETA	Y/B	M1
○	5.991	0.230	0.600
△	4.085	0.399	
◇	2.108		
□	0.293		
■	1.955		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALFB	0.000	DX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	X/L
○	4.018	0.230	0.600
△	5.878	0.399	

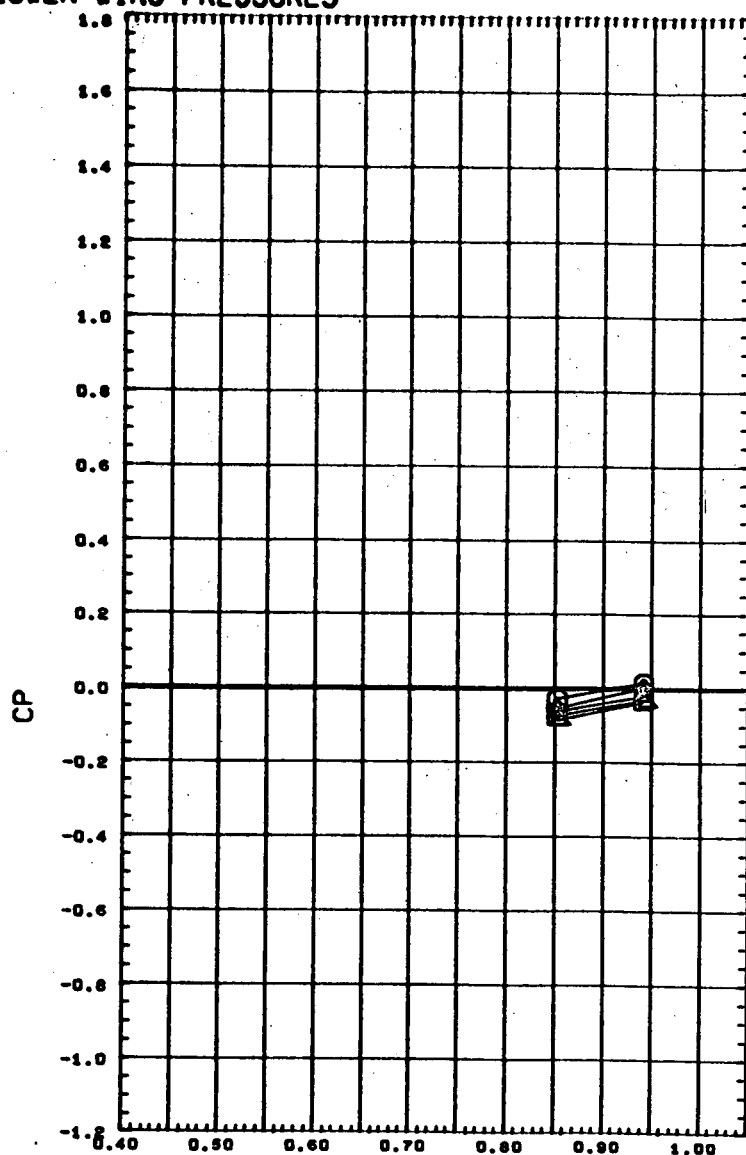
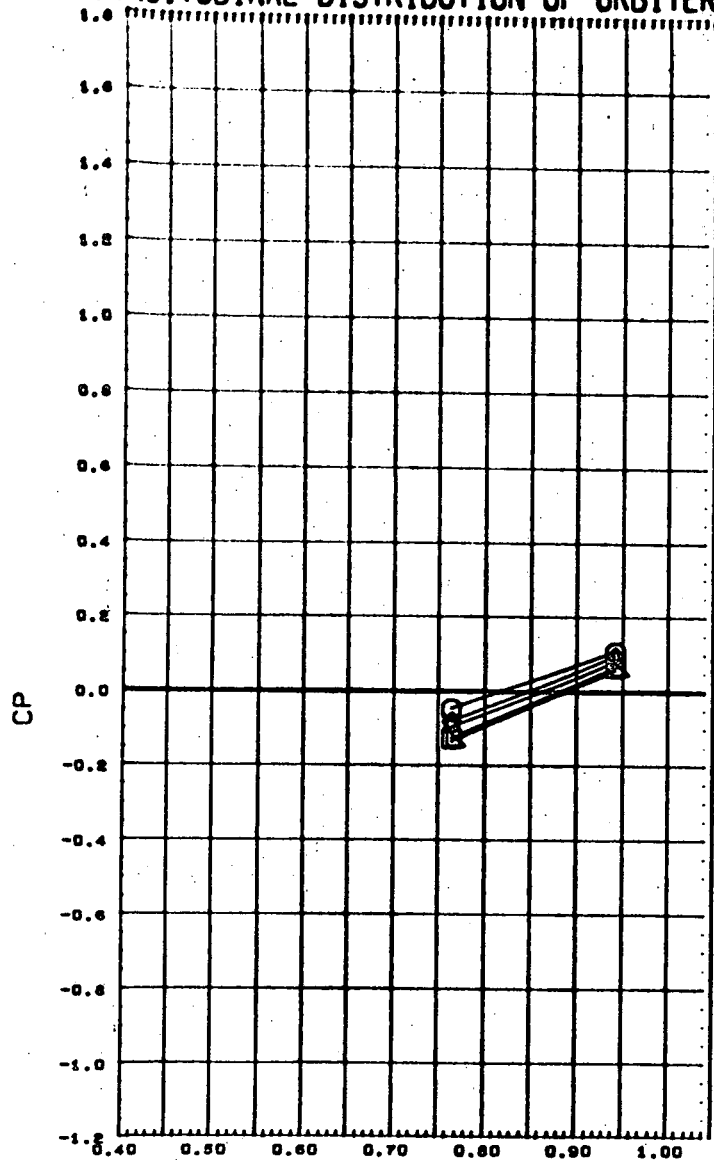
X/L	PARAMETRIC VALUES
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z	0.000
DX/L	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

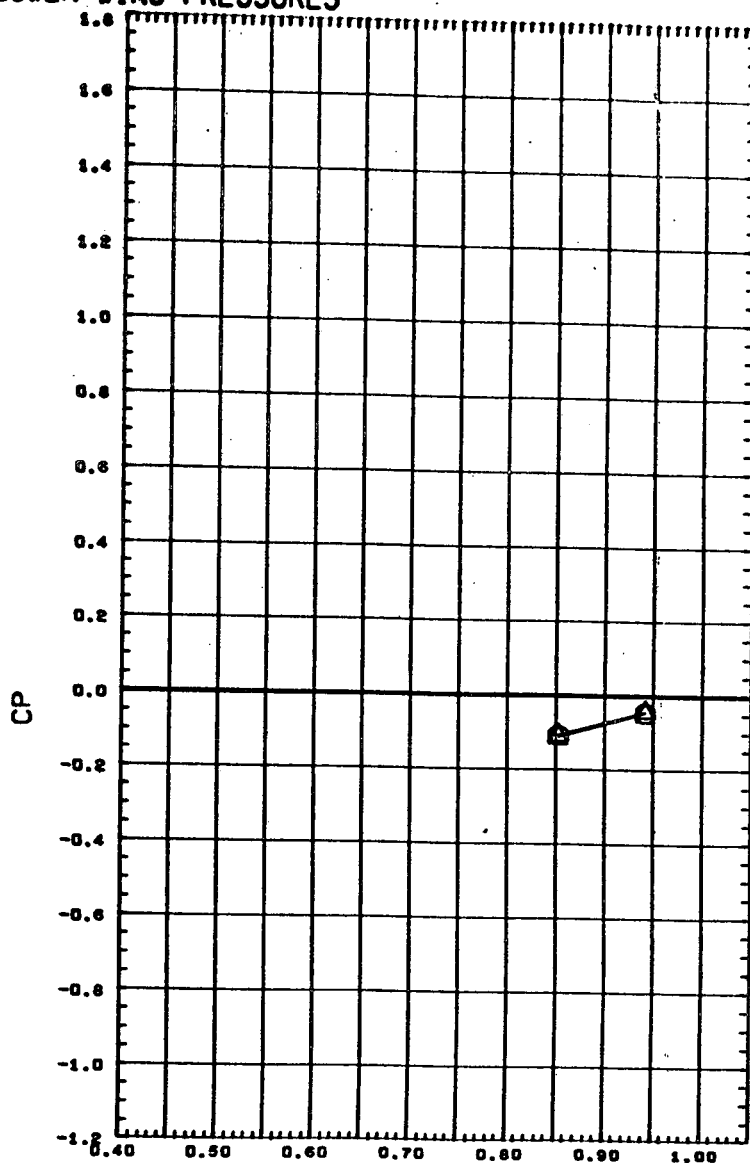
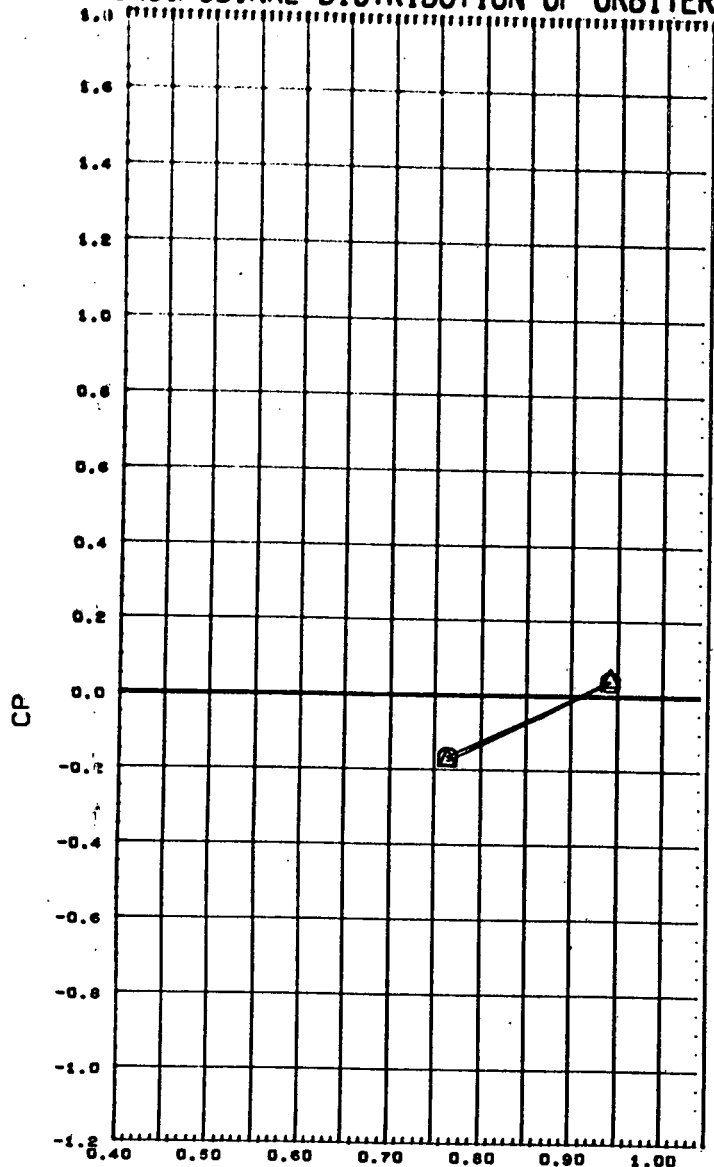


SYMBOL	BETA	Y/B	M1
◇	5.991	0.568	0.600
◇	4.065	0.738	
◇	2.108		
◇	0.293		
◇	1.955		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
ALFB	0.000	DX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL □ △	BETA	Y/B	M1
	4.018	0.968	0.600
	5.878	0.738	

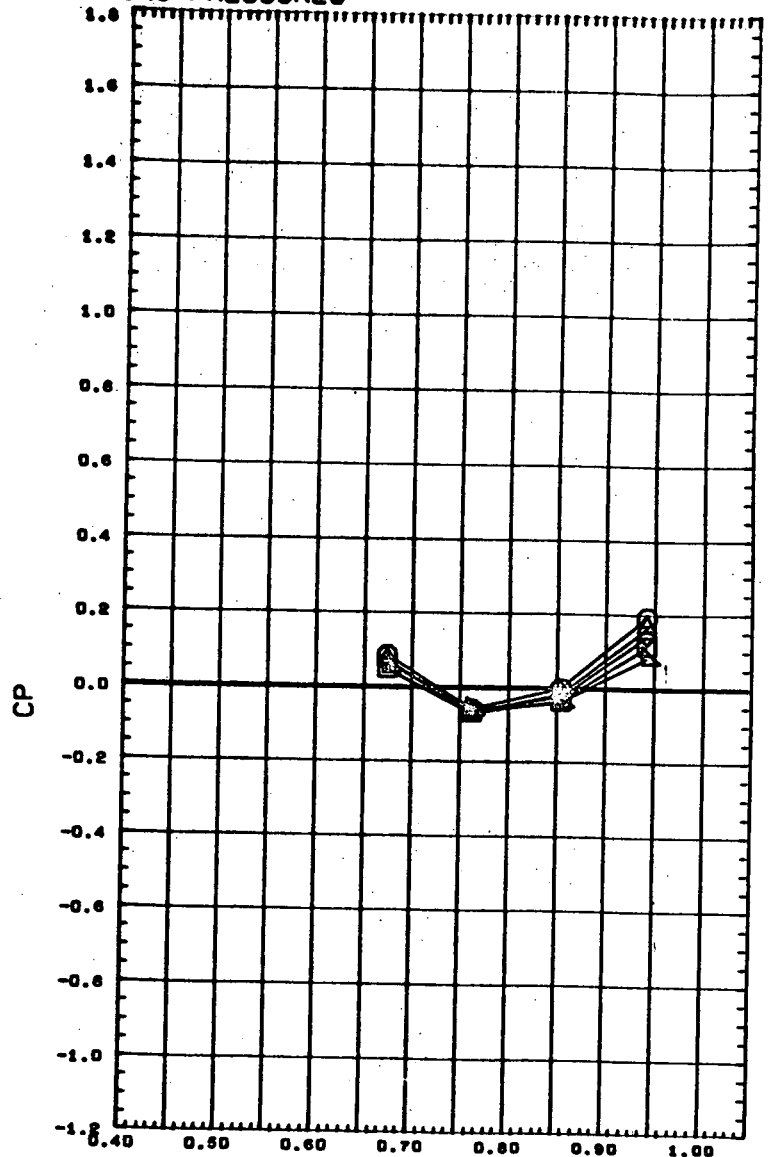
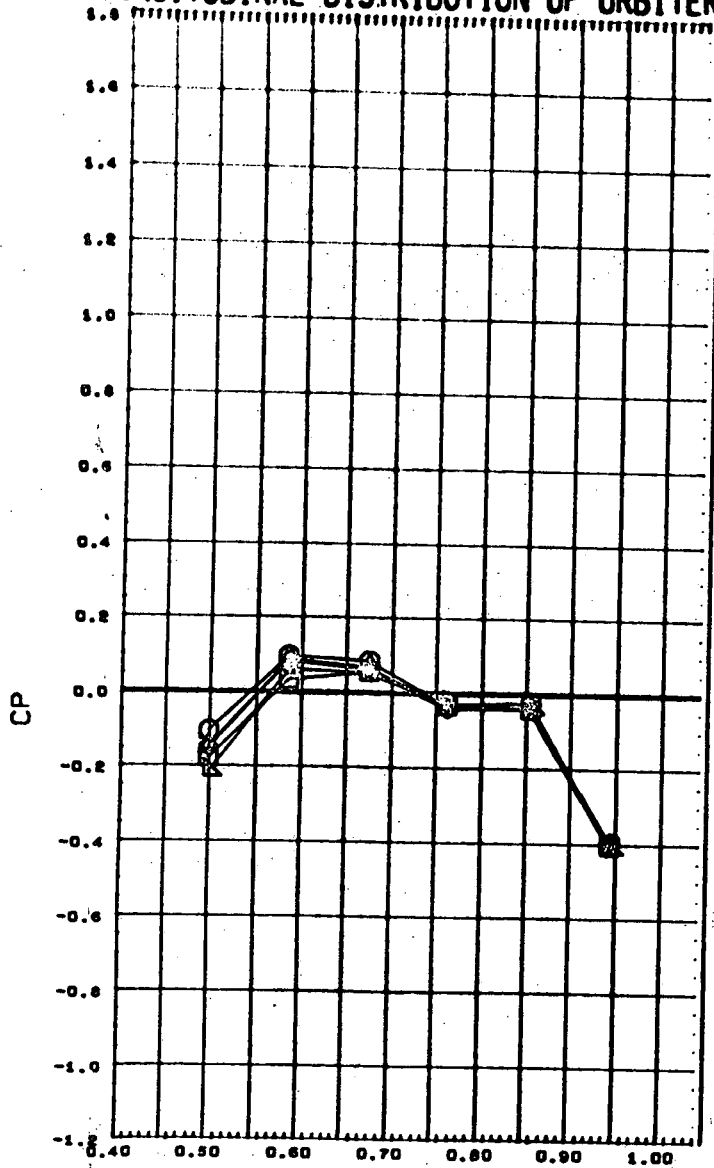
ALFB 1	PARAMETRIC VALUES	
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	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

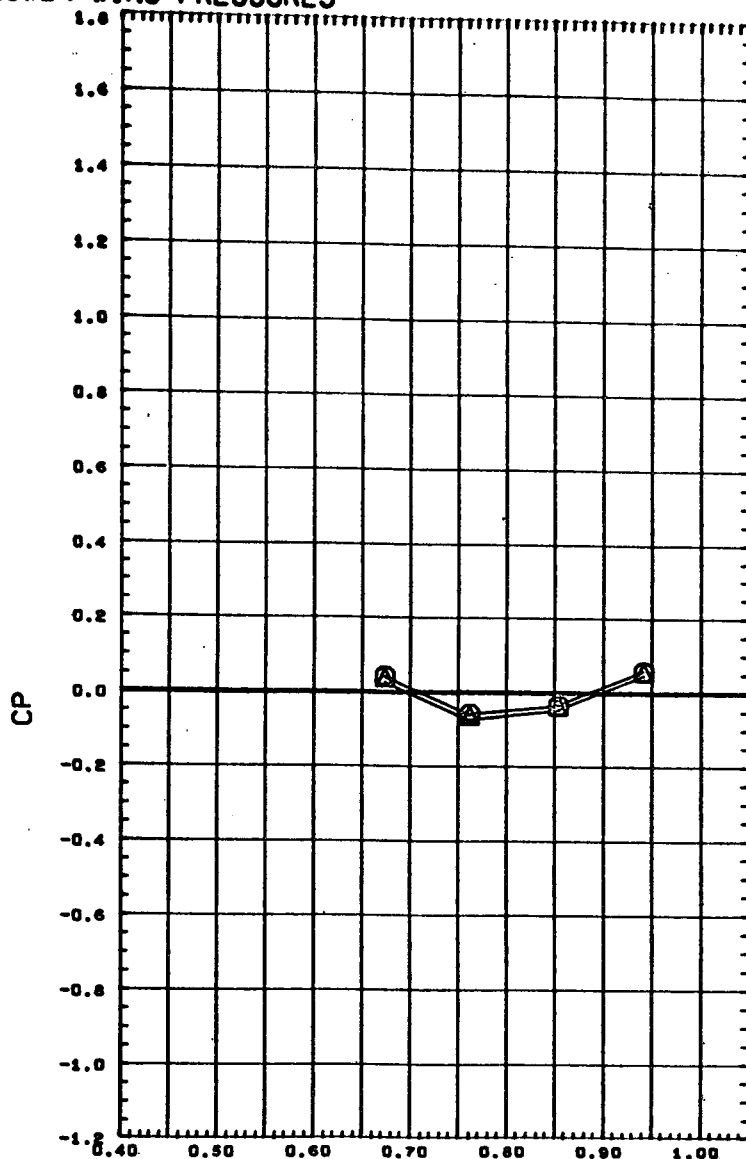
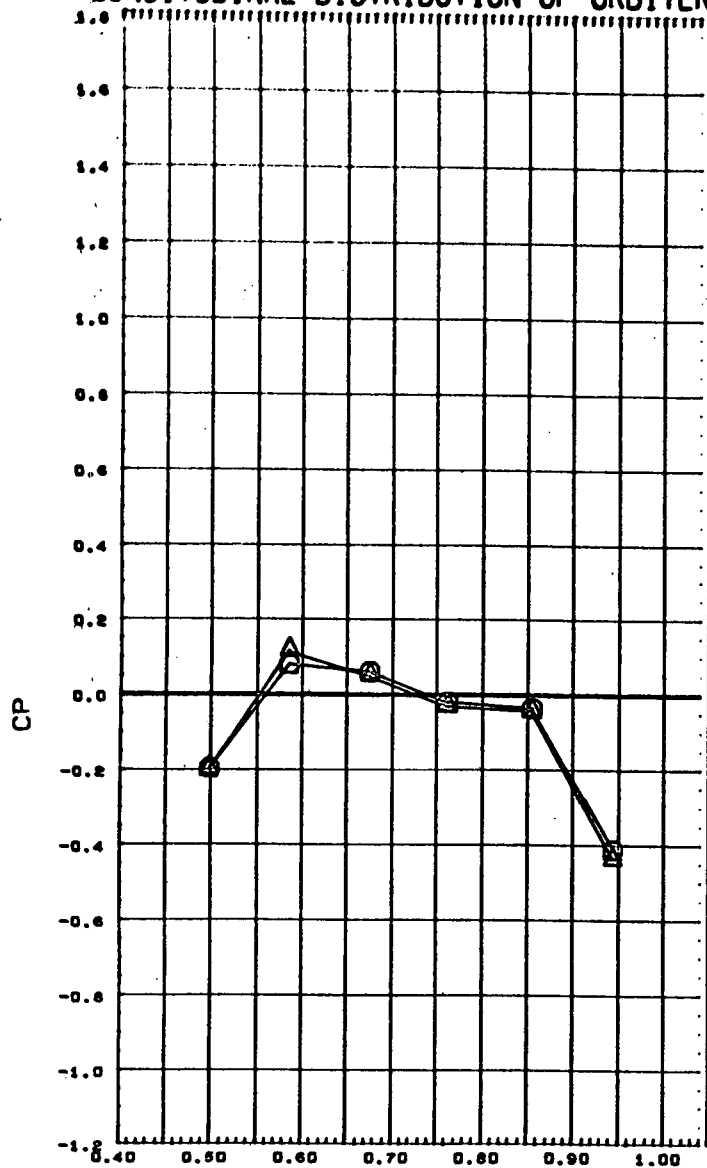


X/L			
SYMBOL	BETA	Y/B	M1
○	6.014	0.230	0.098
△	4.113	0.399	
◇	2.146		
□	0.267		
▽	2.007		

REFERENCE FILE

X/L		
ALPB	PARAMETRIC VALUES	
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	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

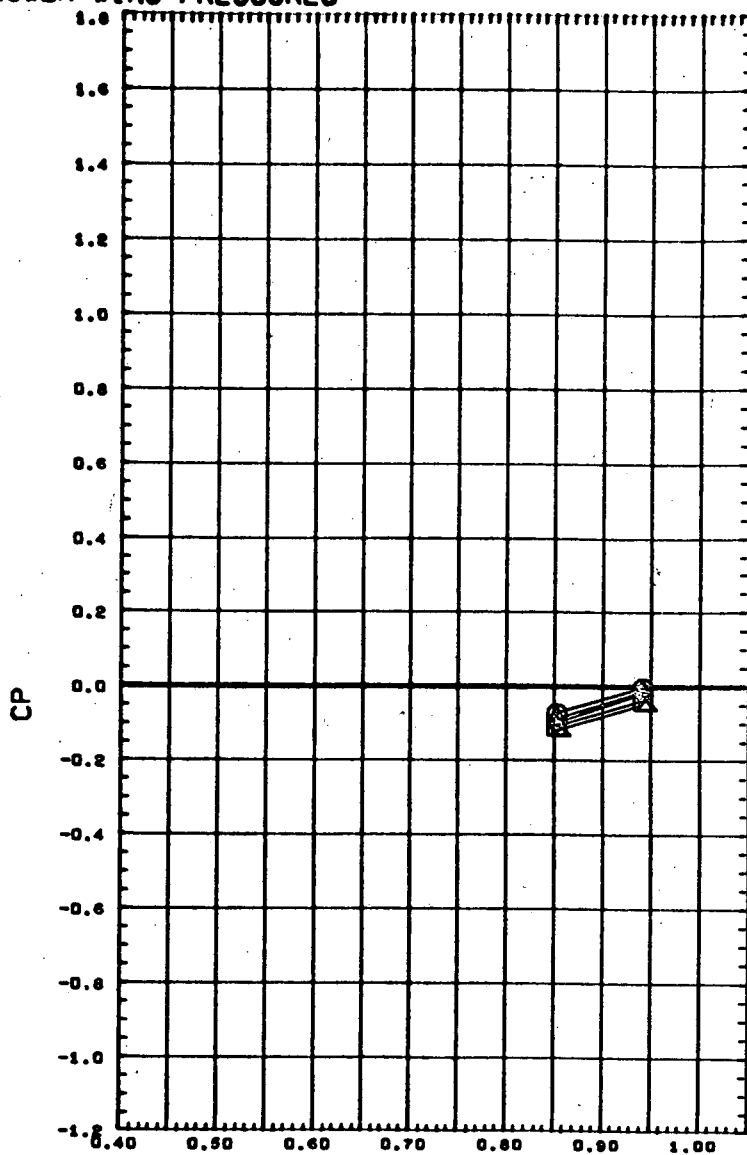
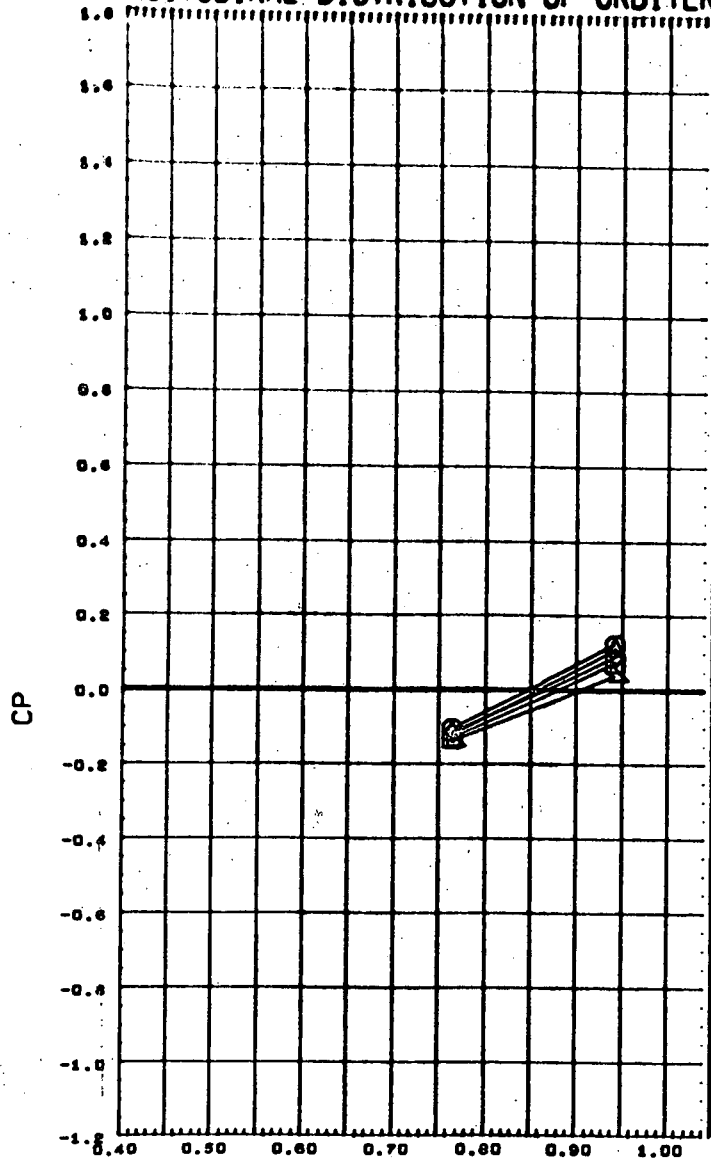


SYMBOL Δ BETA 4.094 Y/B 0.230 M1 0.898
 5.964 0.399

X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.000
 I 0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

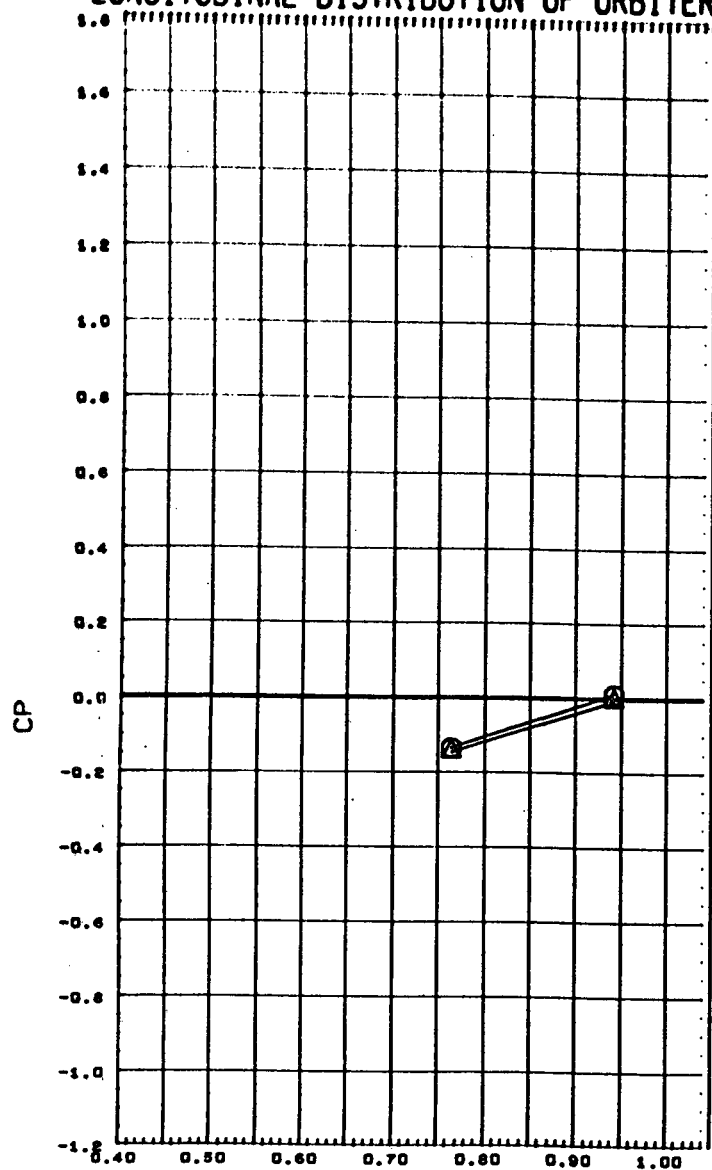


SYMBOL	BETA	Y/B	M1
○	6.014	0.568	0.698
△	4.113	0.738	
◇	2.146		
□	0.287		
▽	2.007		

REFERENCE FILE

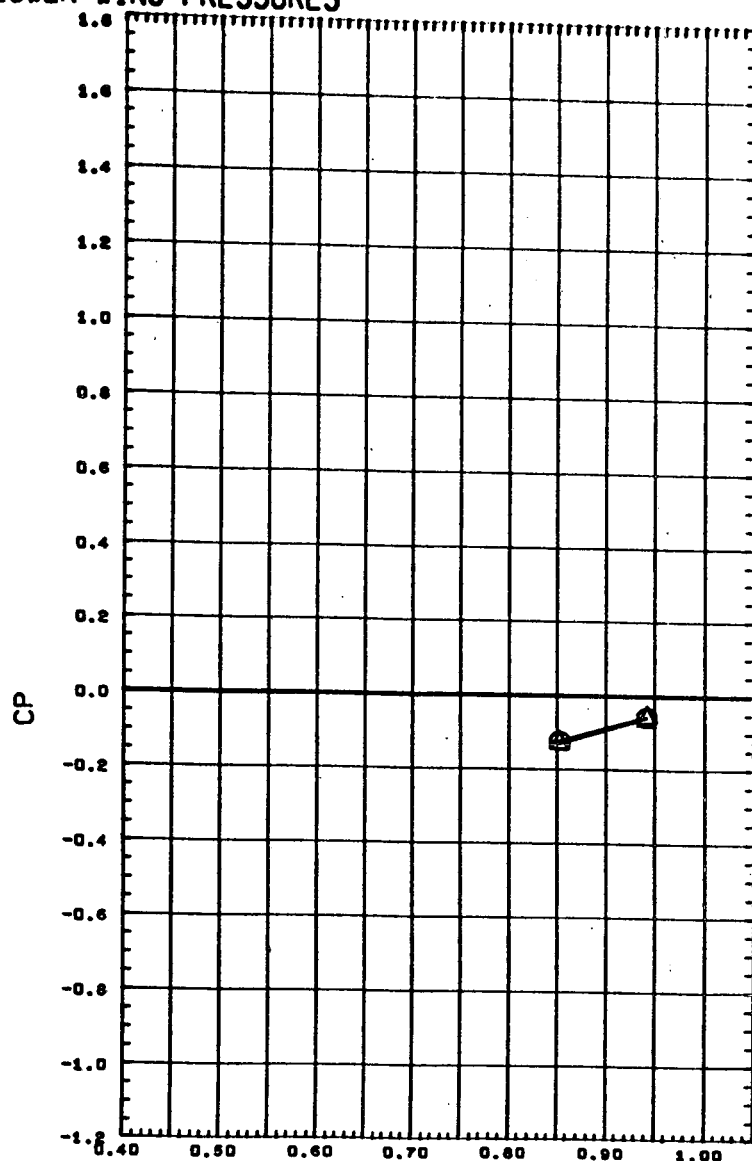
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I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

SYMBOL	BETA	Y/B	M1
O	4.094	0.568	0.898
Δ	5.984	0.738	



X/L

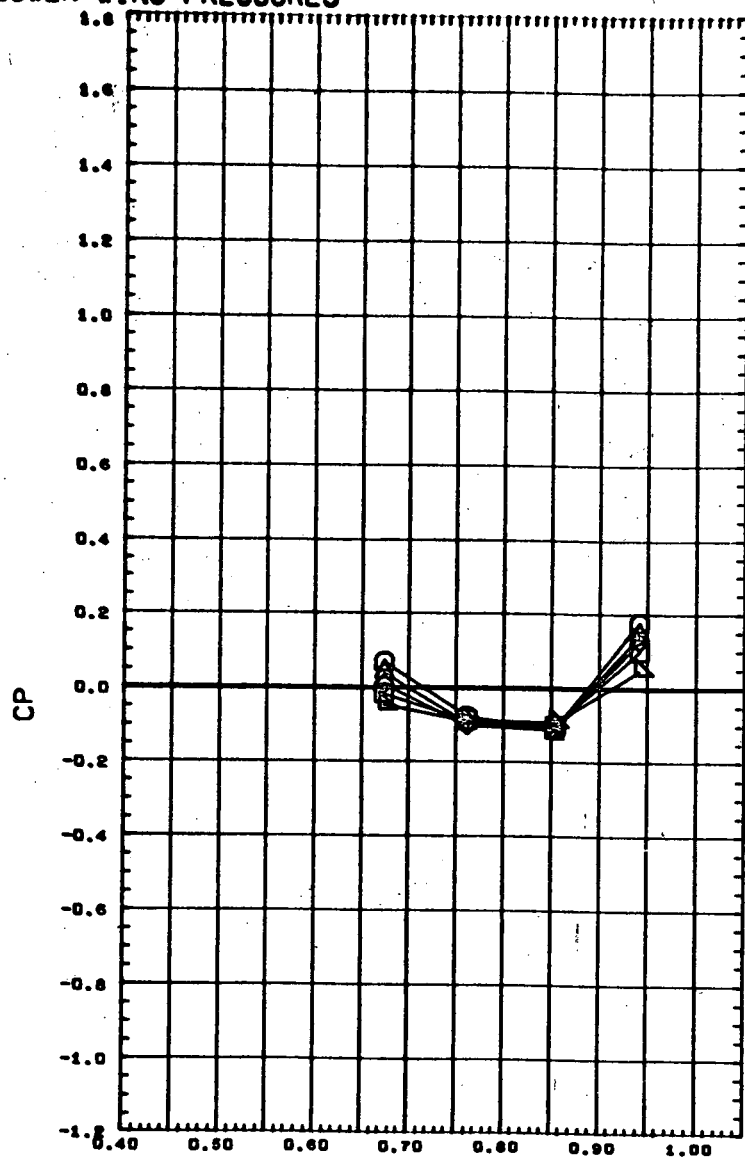
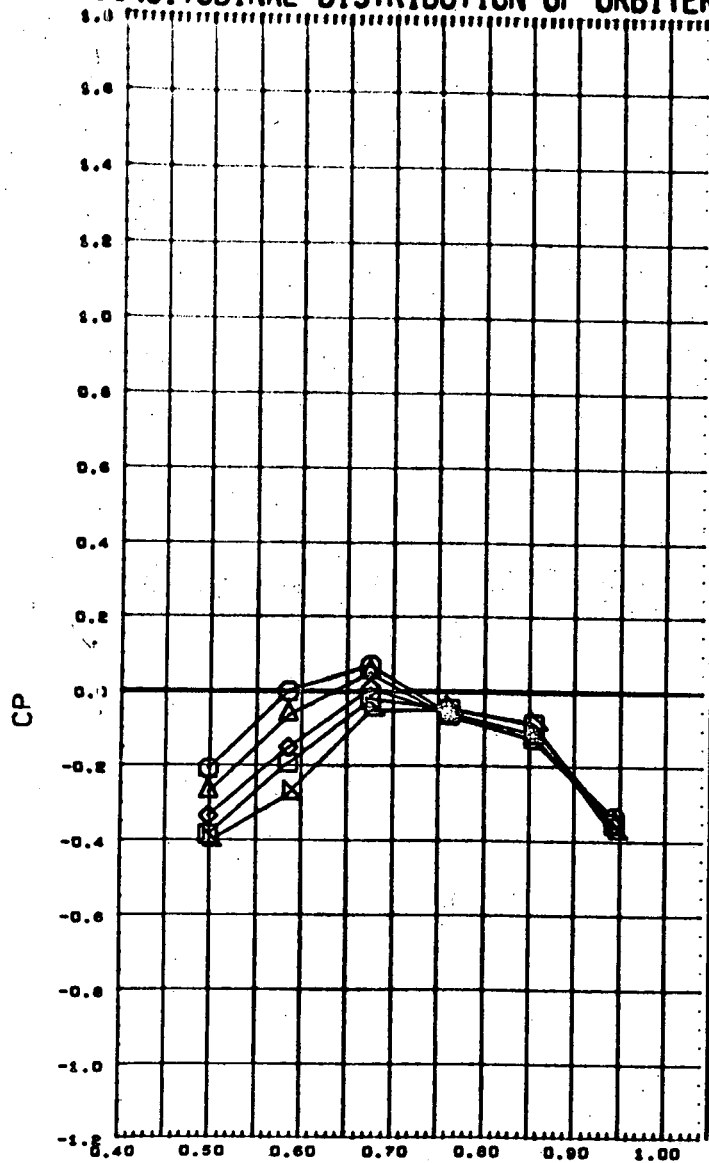
ALFB	PARAMETRIC VALUES	
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	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

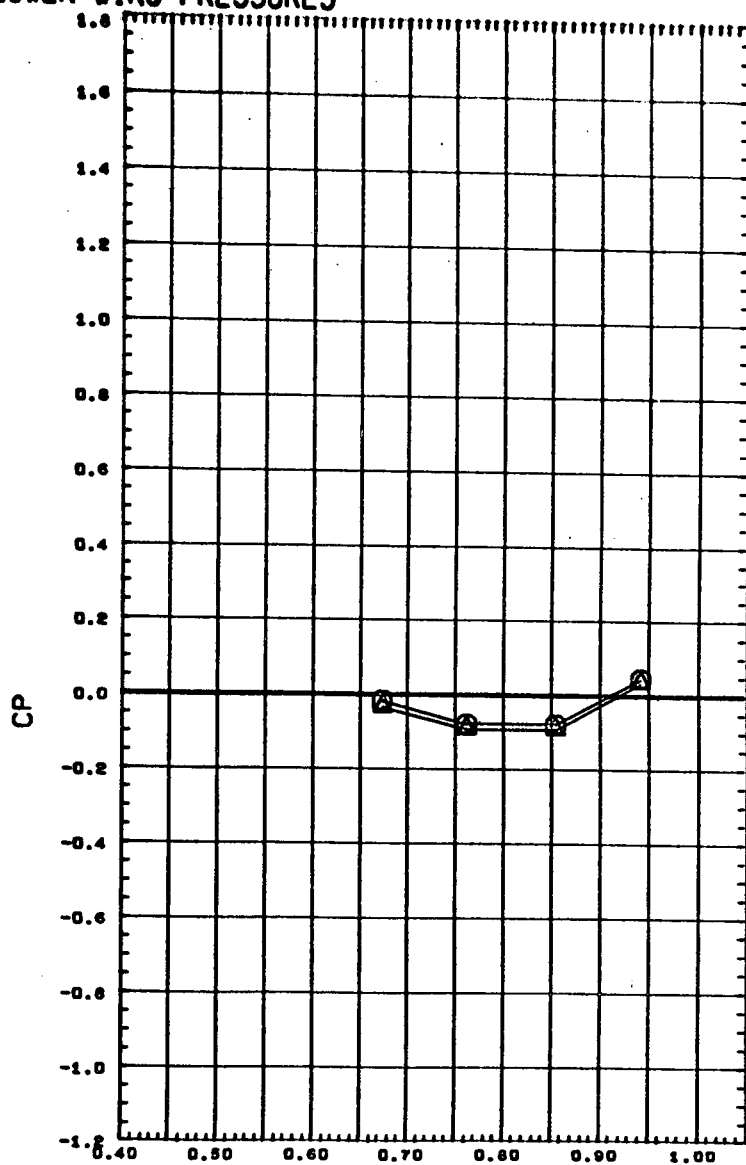
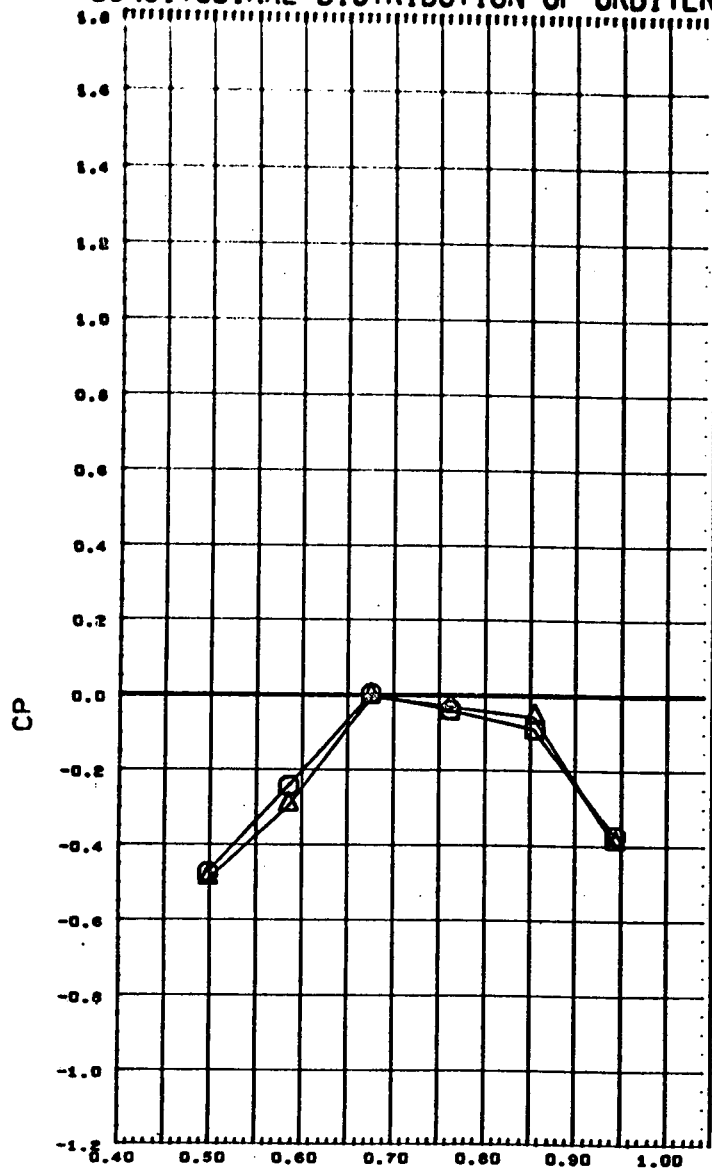


SYMBOL	BETA	Y/B	M1
○	6.082	0.230	1.010
△	4.150	0.399	
◇	2.153		
□	0.281		
▽	2.037		

REFERENCE FILE

ALFA	PARAMETRIC VALUES	DX/L	0.000
I	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.071	0.230	1.010
△	6.041	0.399	

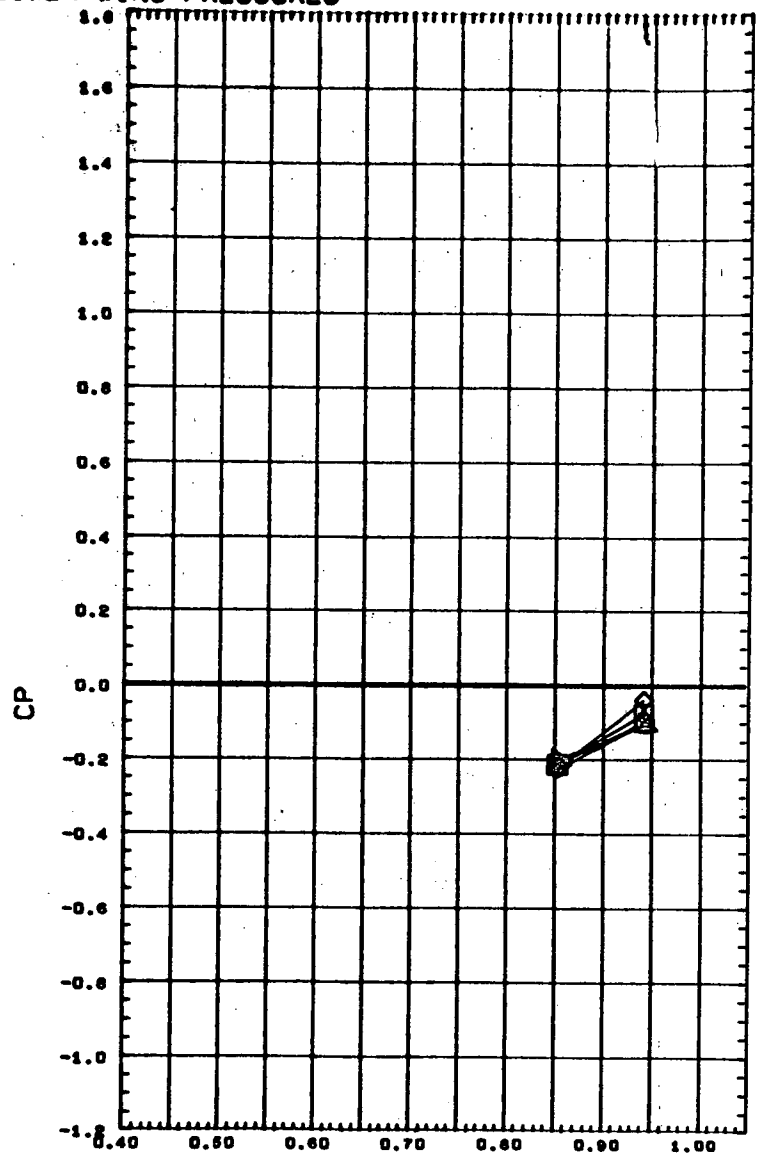
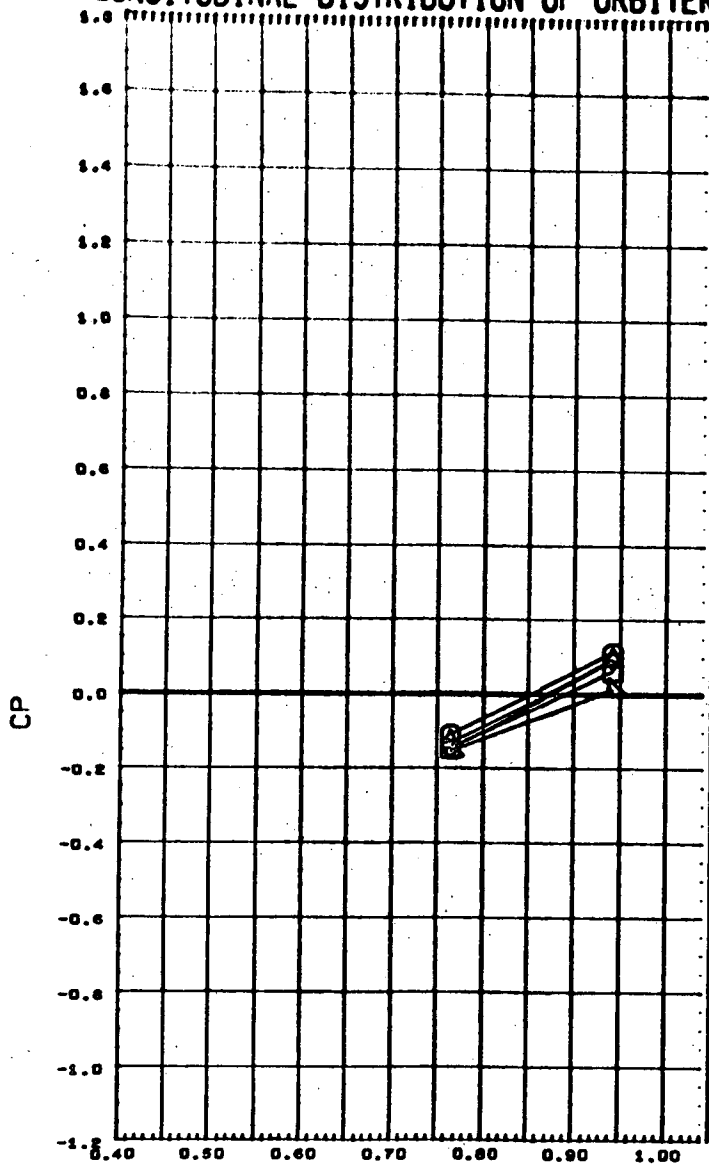
X/L	PARAMETRIC VALUES	
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I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

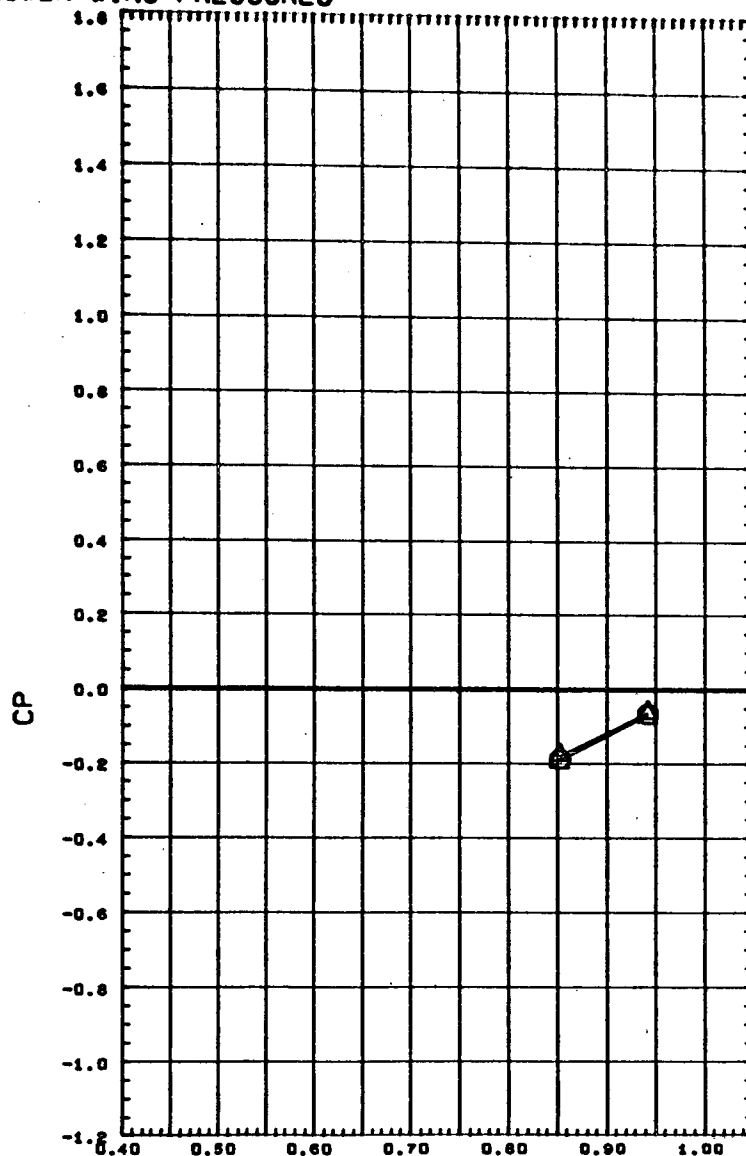
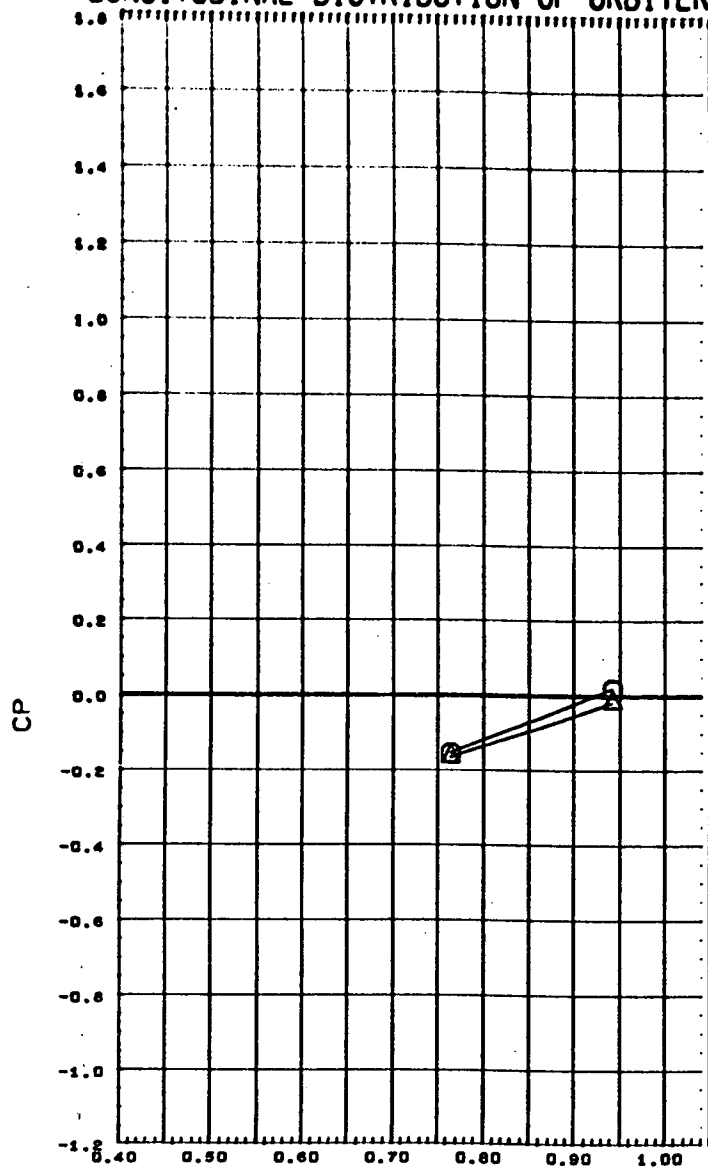


X/L			
SYMBOL	BETA	Y/B	M1
○	6.082	0.568	1.010
△	4.150	0.738	
◇	2.153		
□	0.281		
■	2.037		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALPB	0.000	DX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.071	0.568	1.010
△	6.041	0.738	

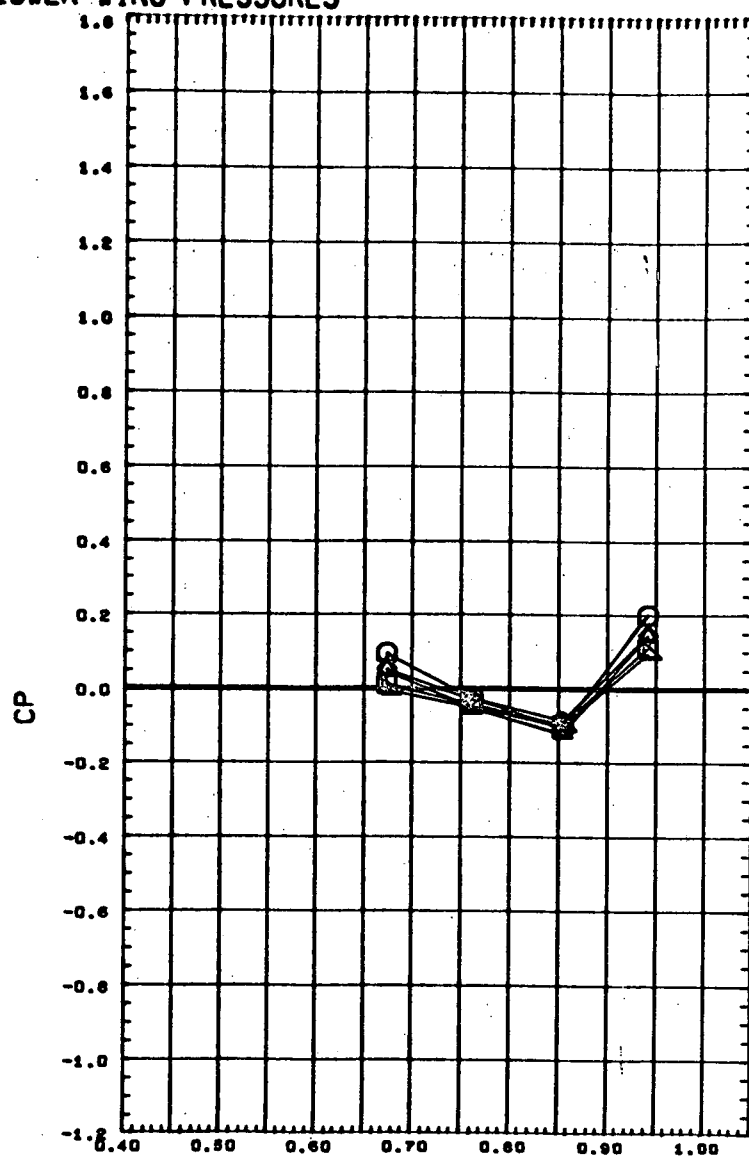
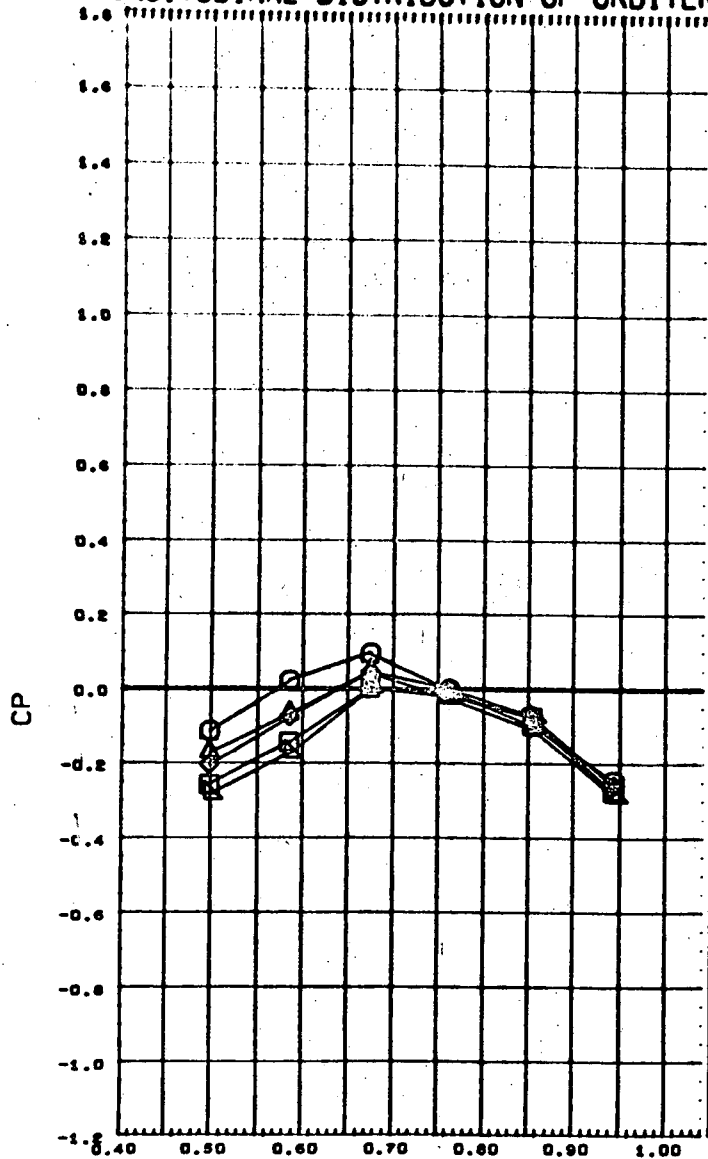
X/L		PARAMETRIC VALUES	
ALFB	0.000	DX/L	0.000
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

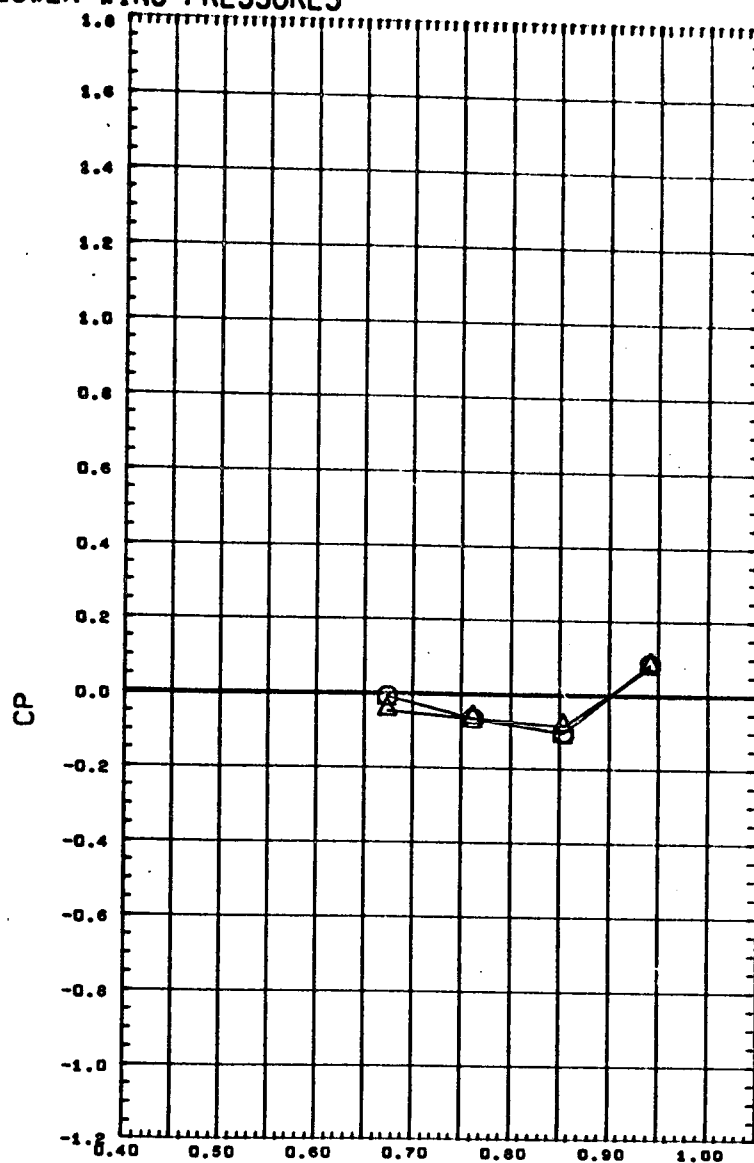
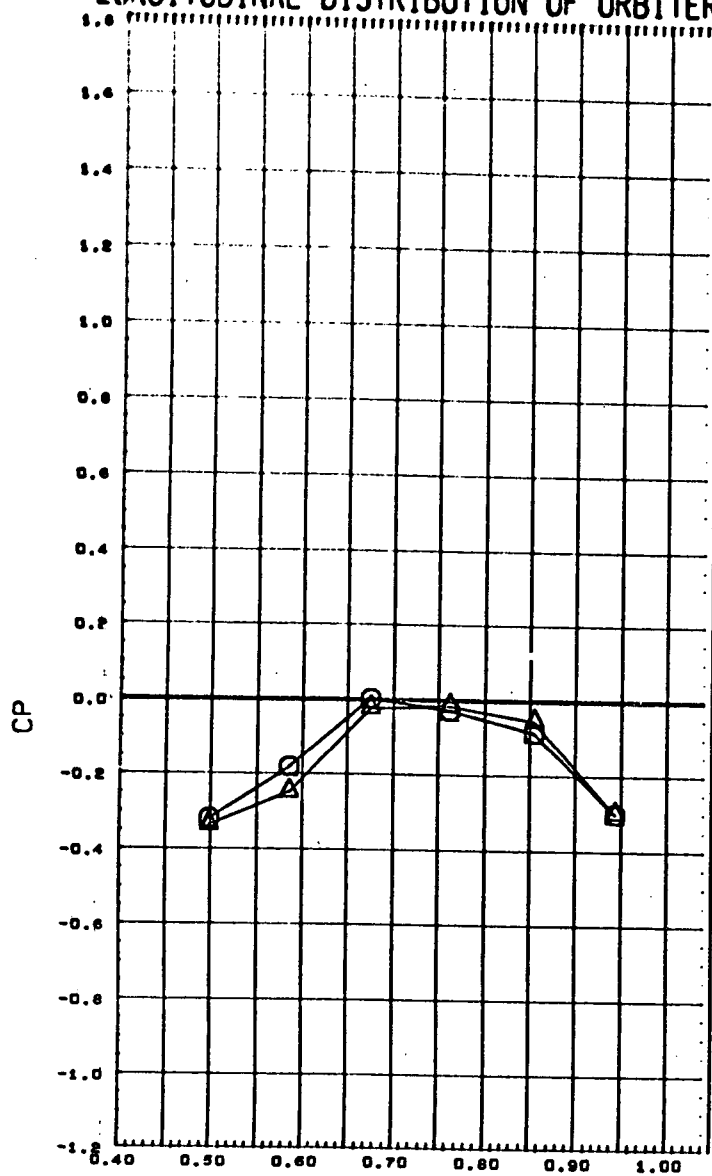


SYMBOL	BETA	Y/B	M1
○	- 6.306	0.230	1.101
△	- 4.084	0.399	
◇	- 2.015		
□	- 0.247		
▽	1.831		

REFERENCE FILE

X/L	PARAMETRIC VALUES
ALFB	0.000
I	0.000
DX/L	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

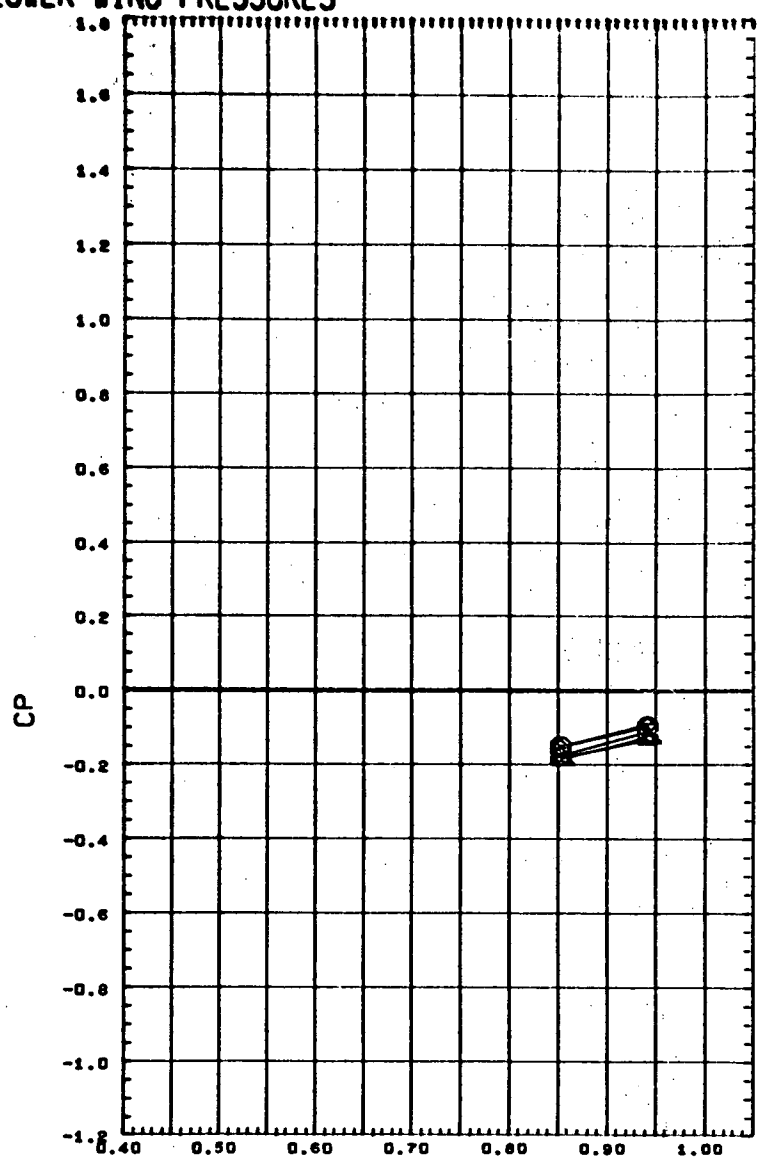
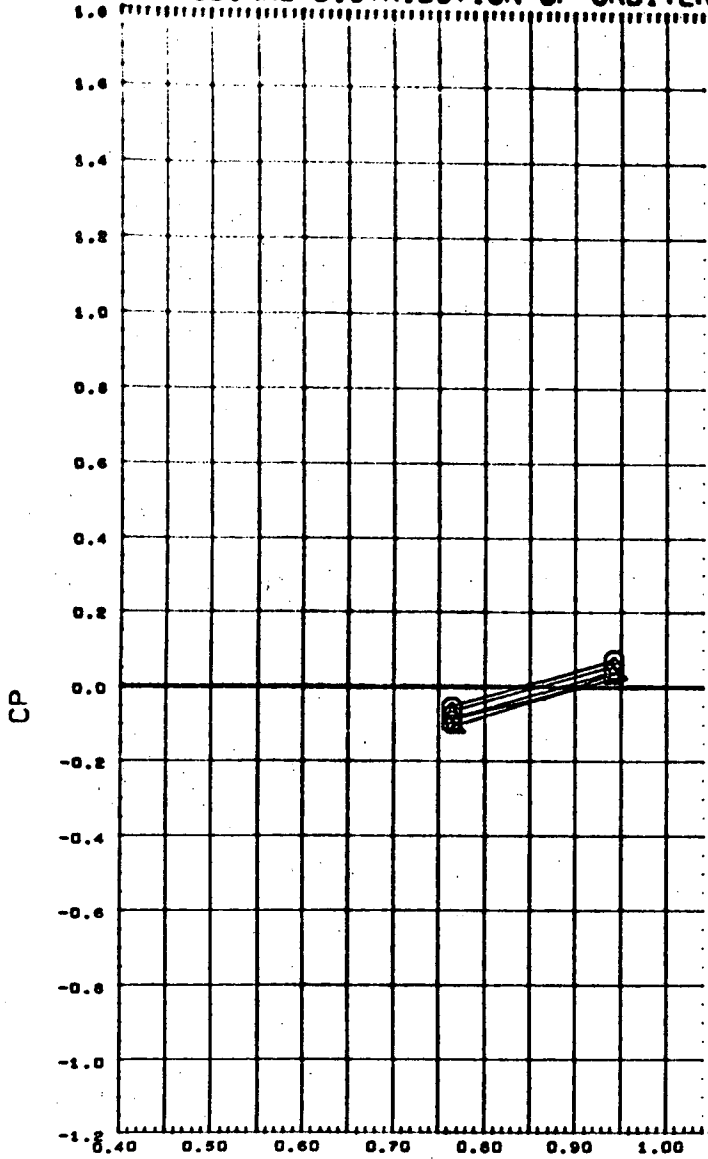


SYMBOL	BETA	Y/B	M1
○	3.893	0.230	1.101
△	6.209	0.399	

ALFB	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

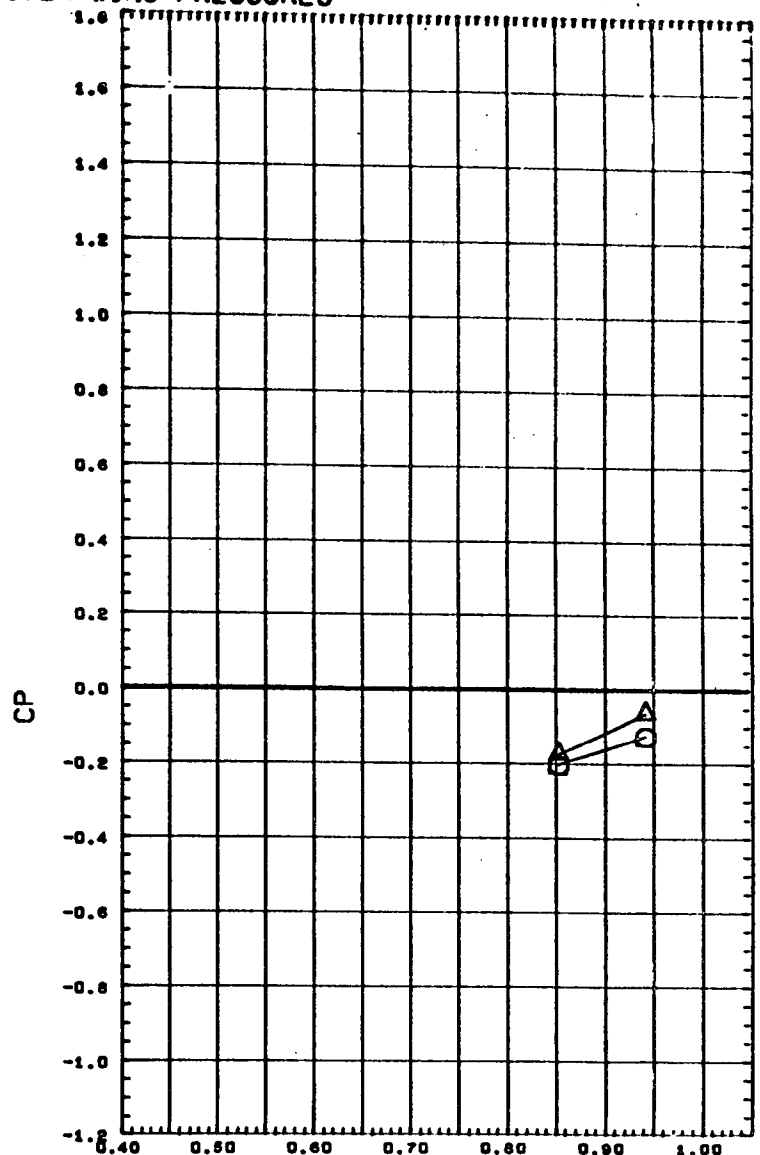
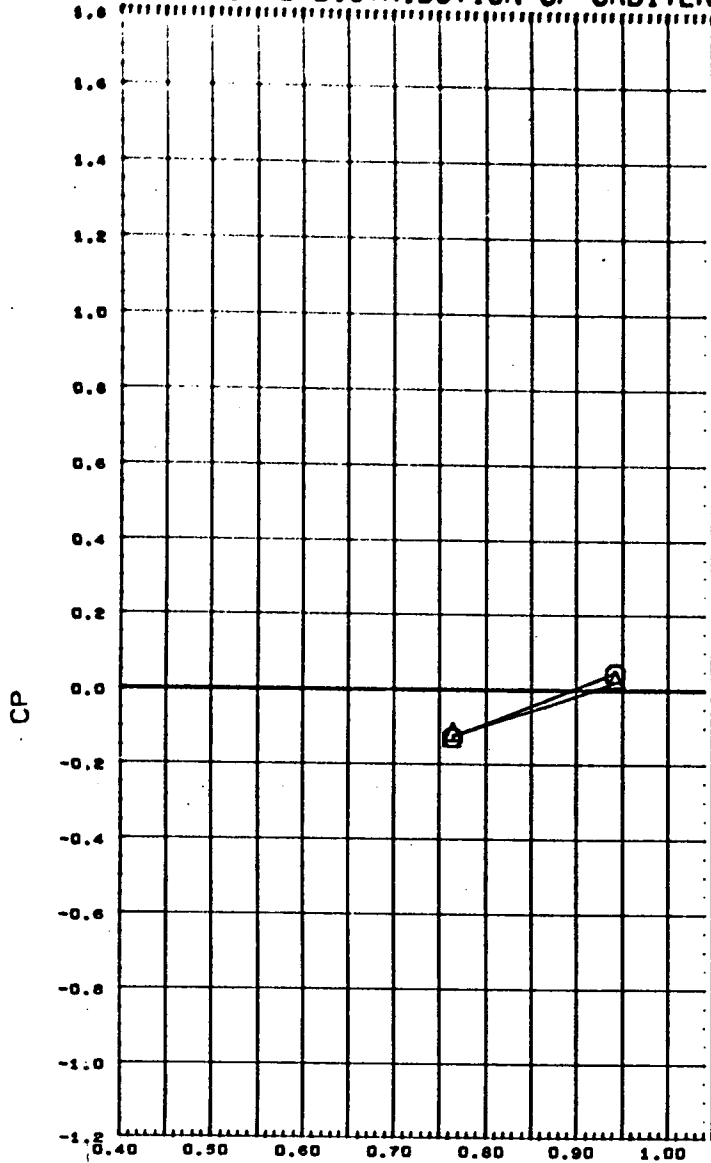


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.306	0.568	1.101
△	- 4.084	0.738	
◇	- 2.015		
□	- 0.247		
	1.831		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.893	0.568	1.101
△	6.209	0.738	

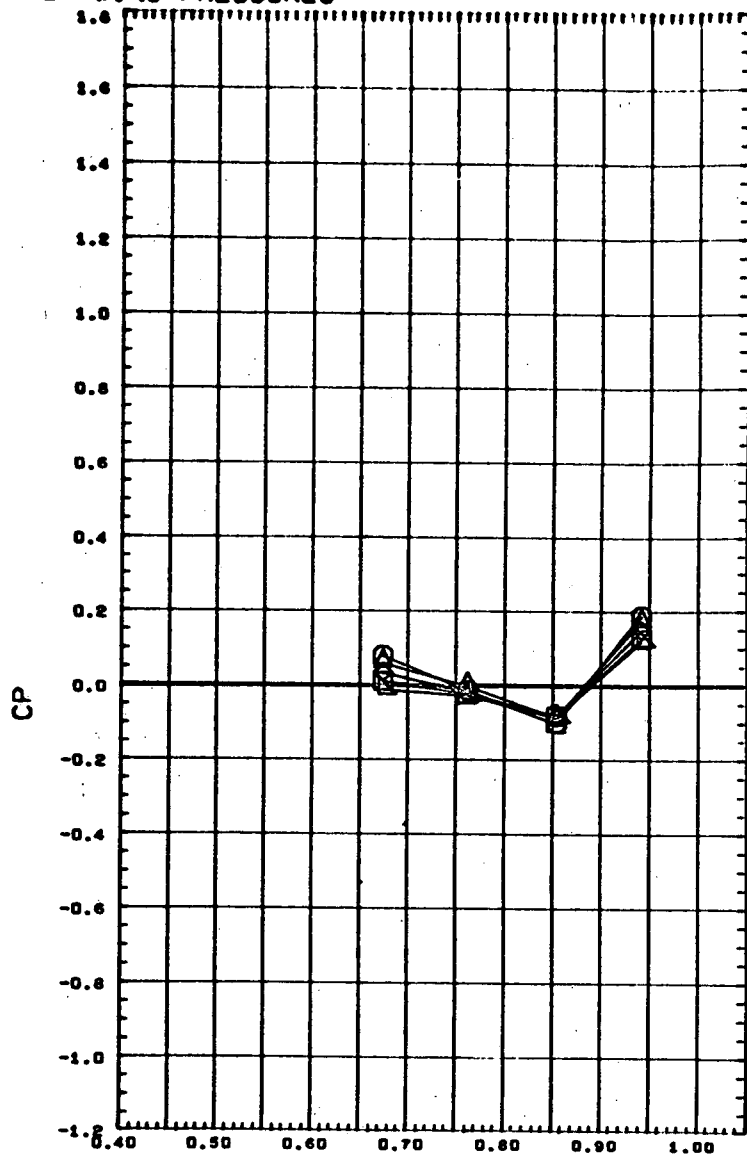
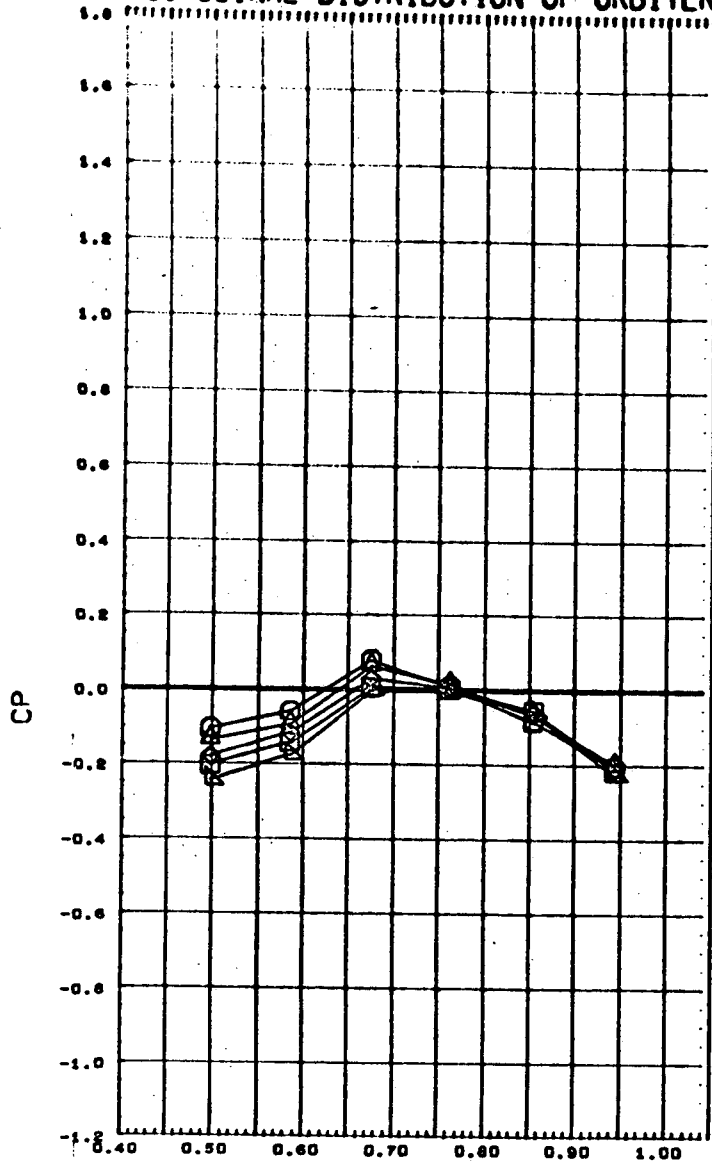
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ALFB	0.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



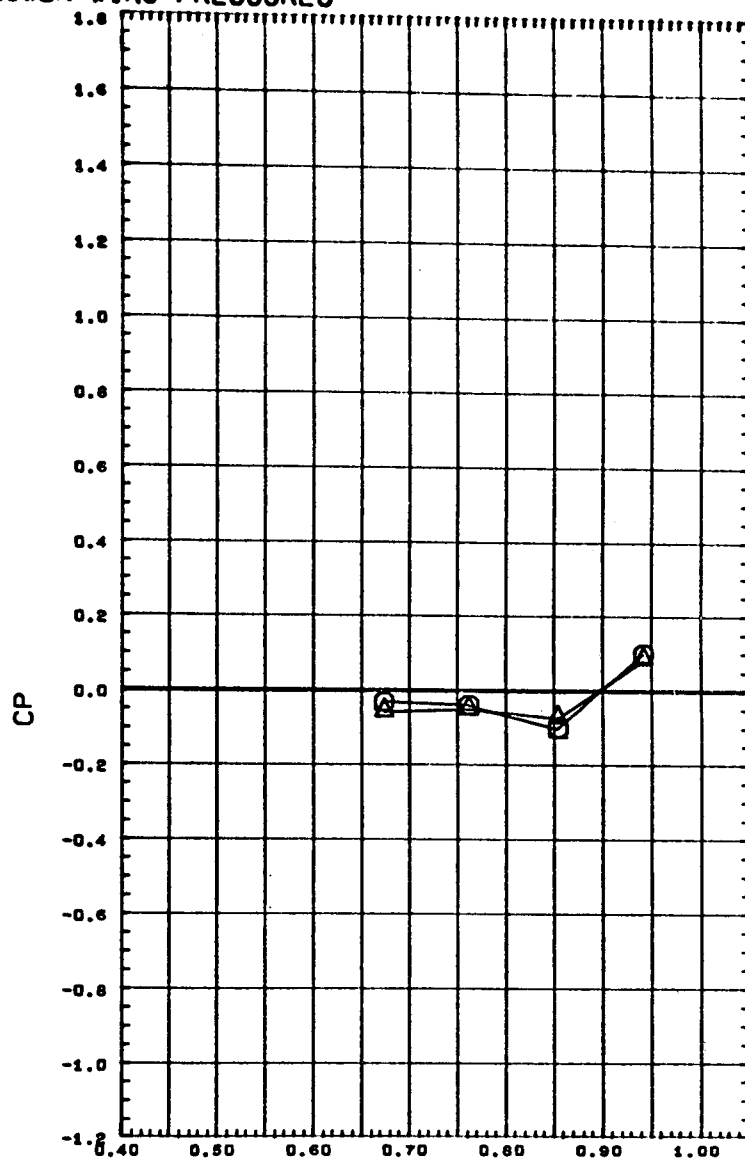
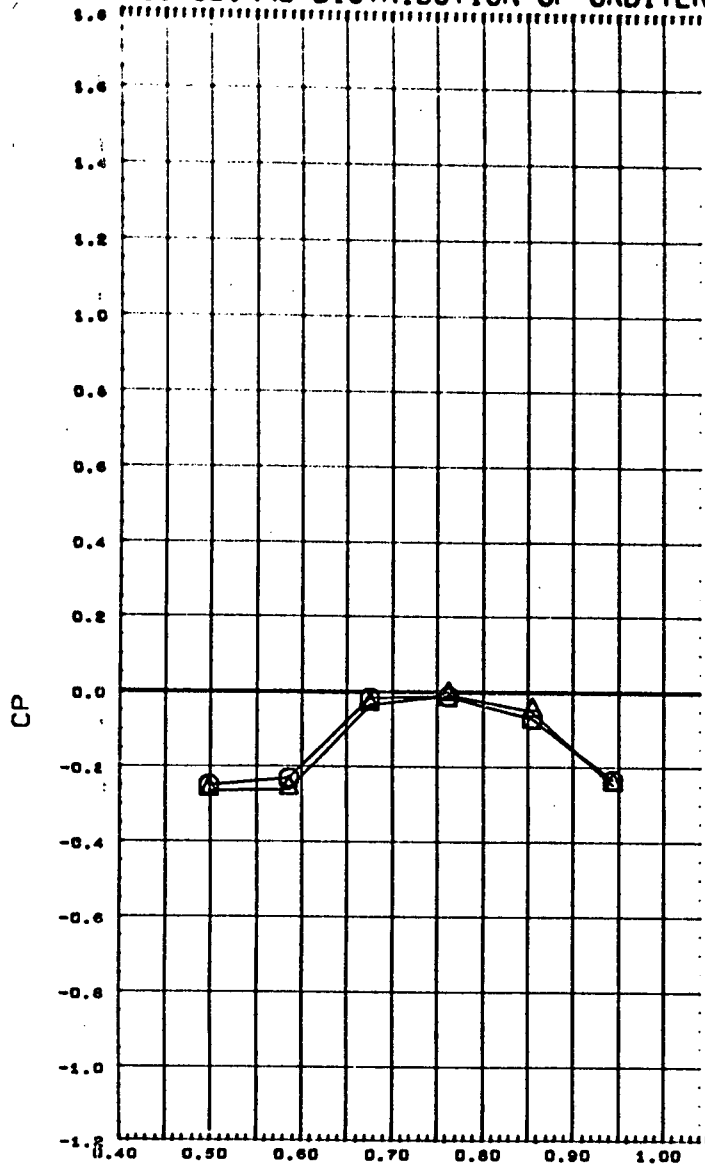
SYMBOL	BETA	Y/B	X/L
○	6.196	0.230	1.201
△	4.116	0.399	
◇	2.016		
□	0.241		
▽	2.057		



REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

X/L	PARAMETRIC VALUES
ALFB	0.000
I	0.000
OX/L	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL BETA Y/B M1
 3.912 0.230 1.201
 5.999 0.399

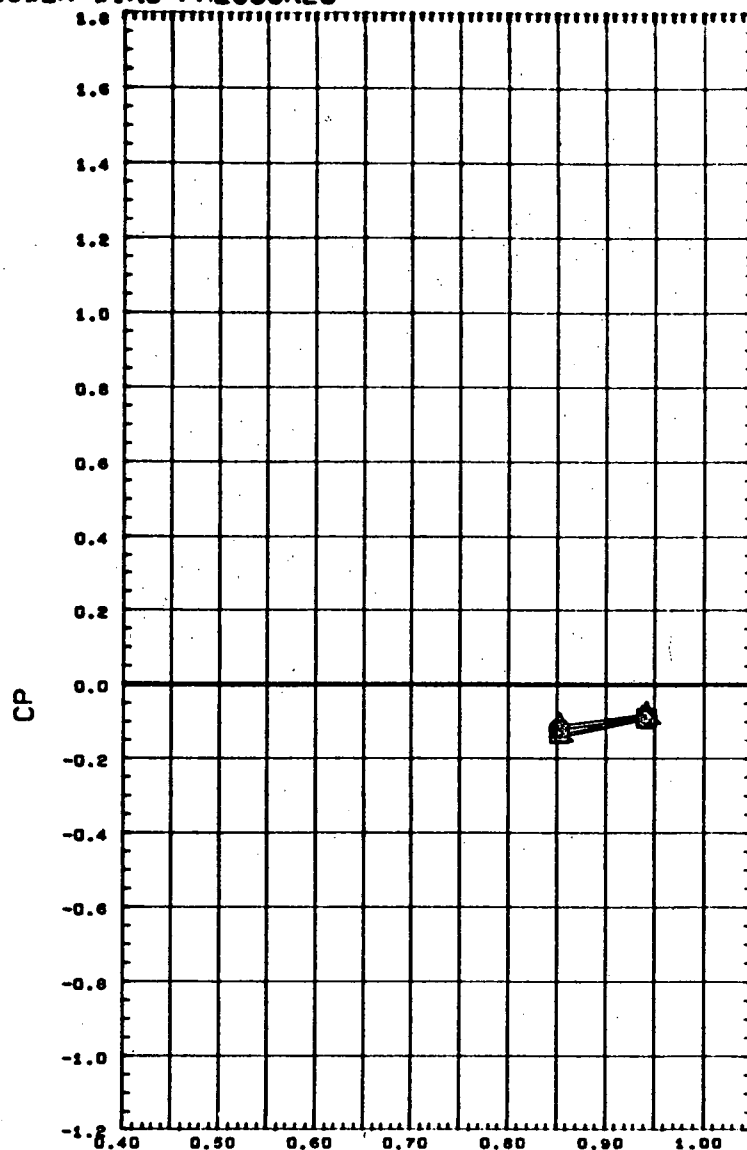
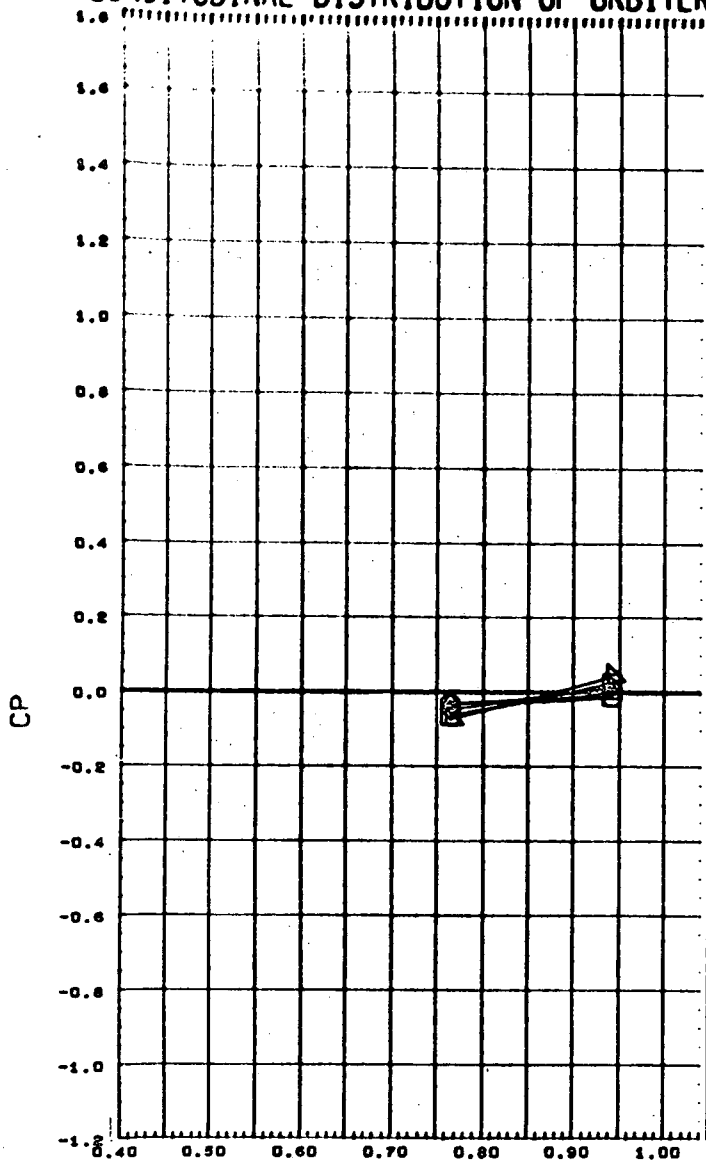
X/L
 PARAMETRIC VALUES
 ALPB 0.000 DX/L 0.000
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

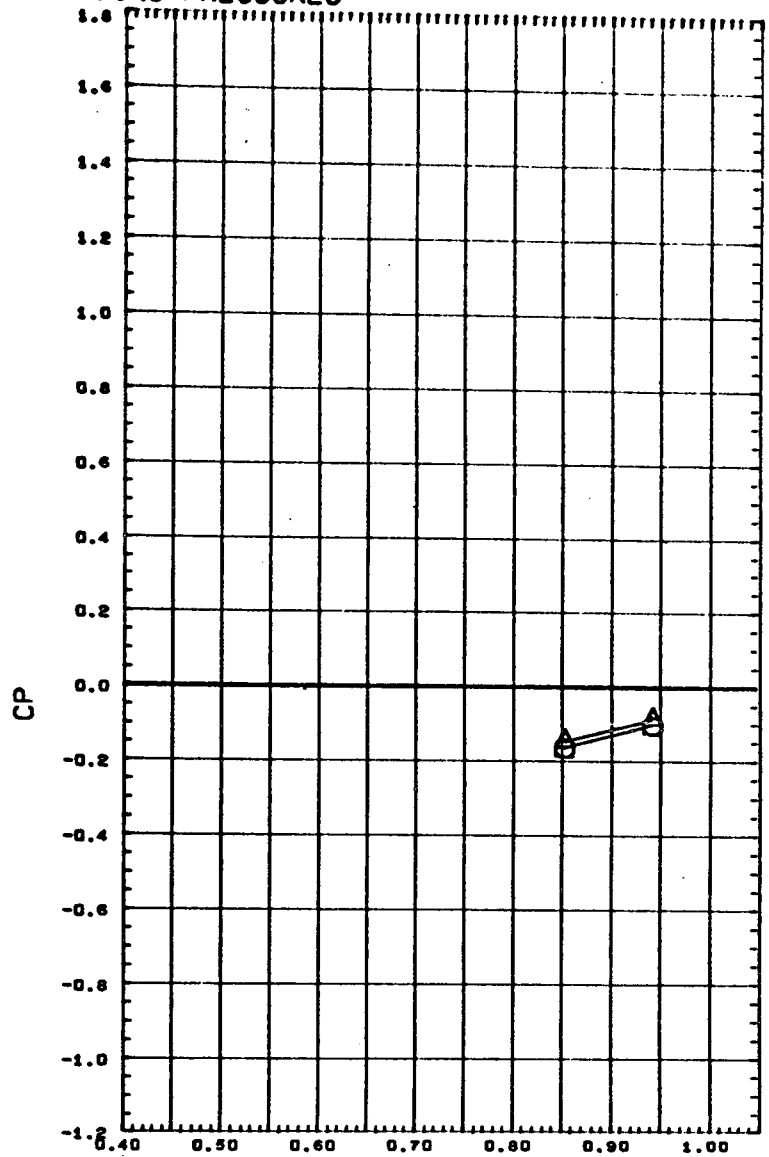
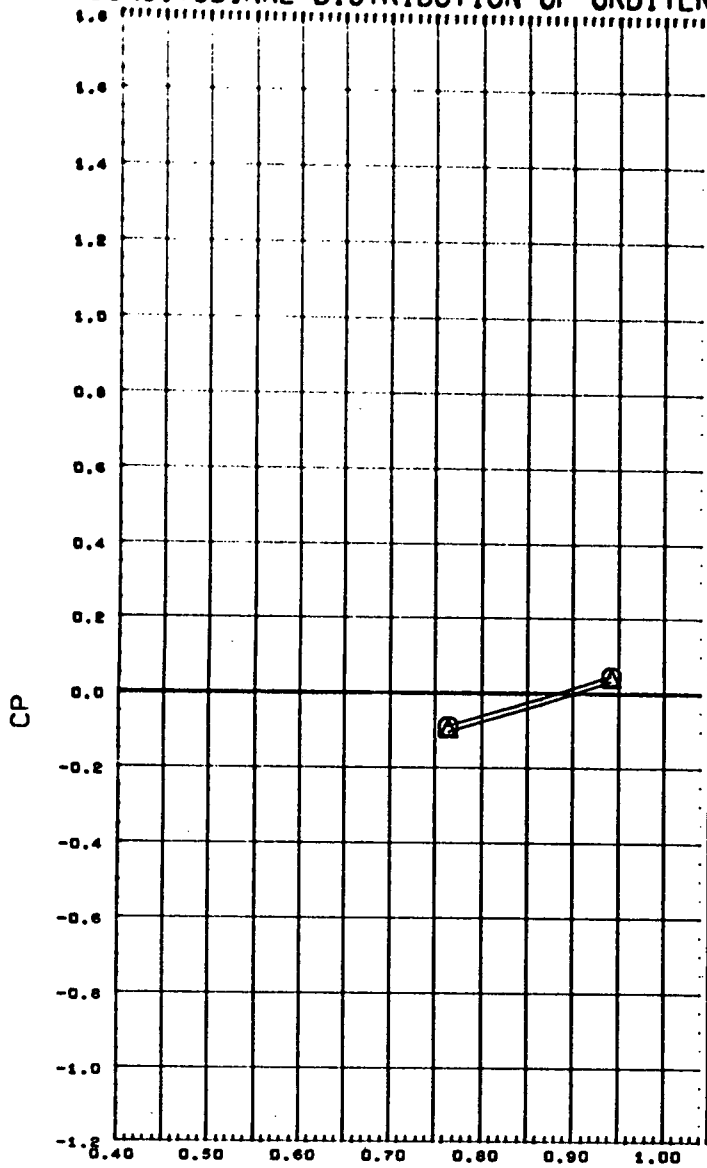
SYMBOL	BETA	Y/B	M1
◇	- 6.196	0.568	1.201
△	- 4.116	0.738	
◇	- 2.016		
□	- 0.241		
◇	2.057		

REFERENCE FILE

X/L

ALFB	PARAMETRIC VALUES	DX/L	
1	0.000	0.000	0.000
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

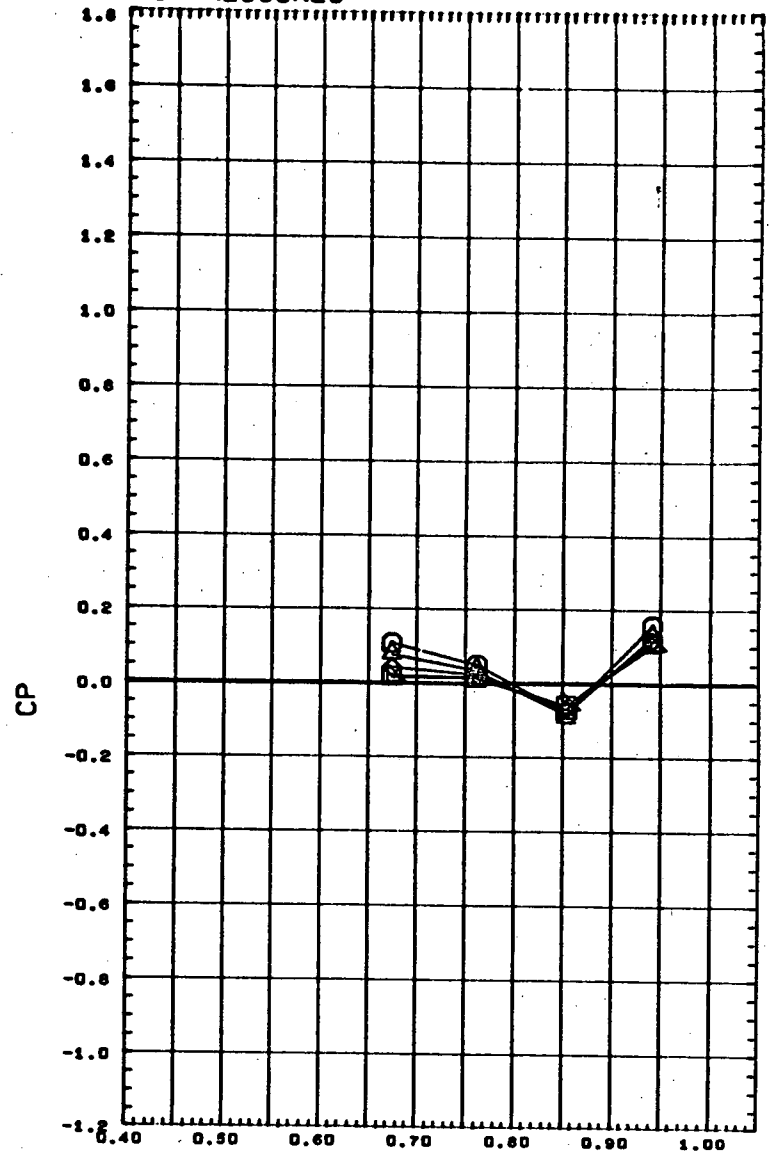
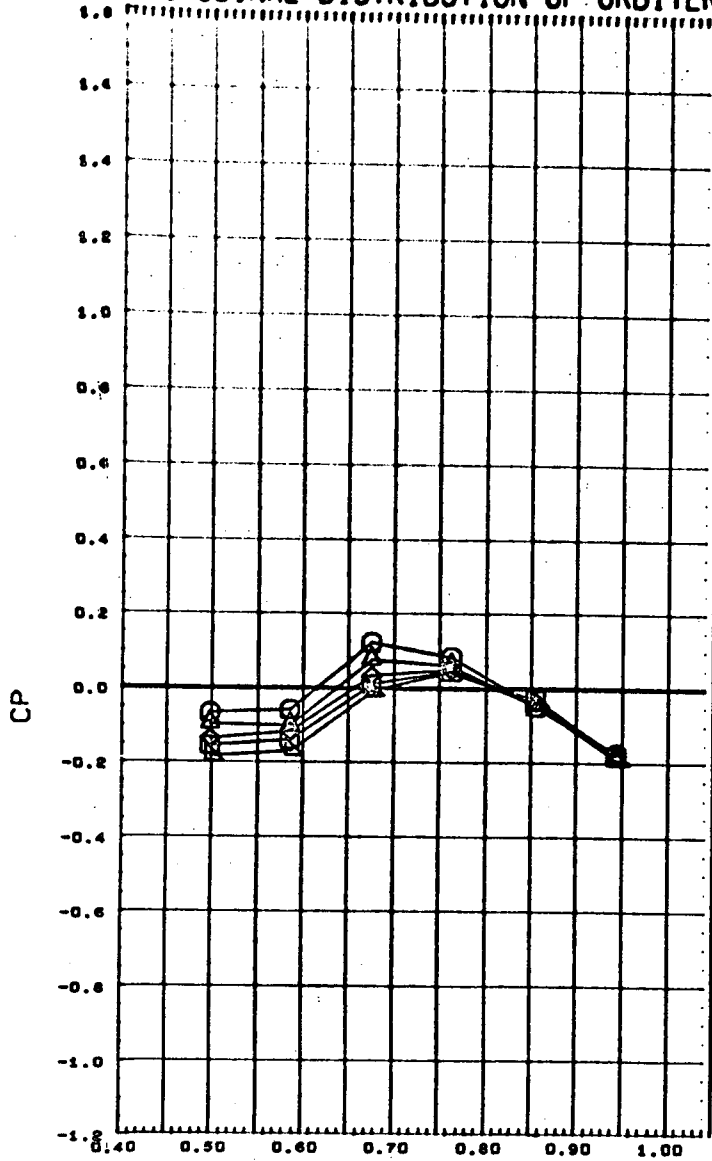


SYMBOL	BETA	Y/B	M1
○	3.912	0.568	1.201
△	5.999	0.738	

PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

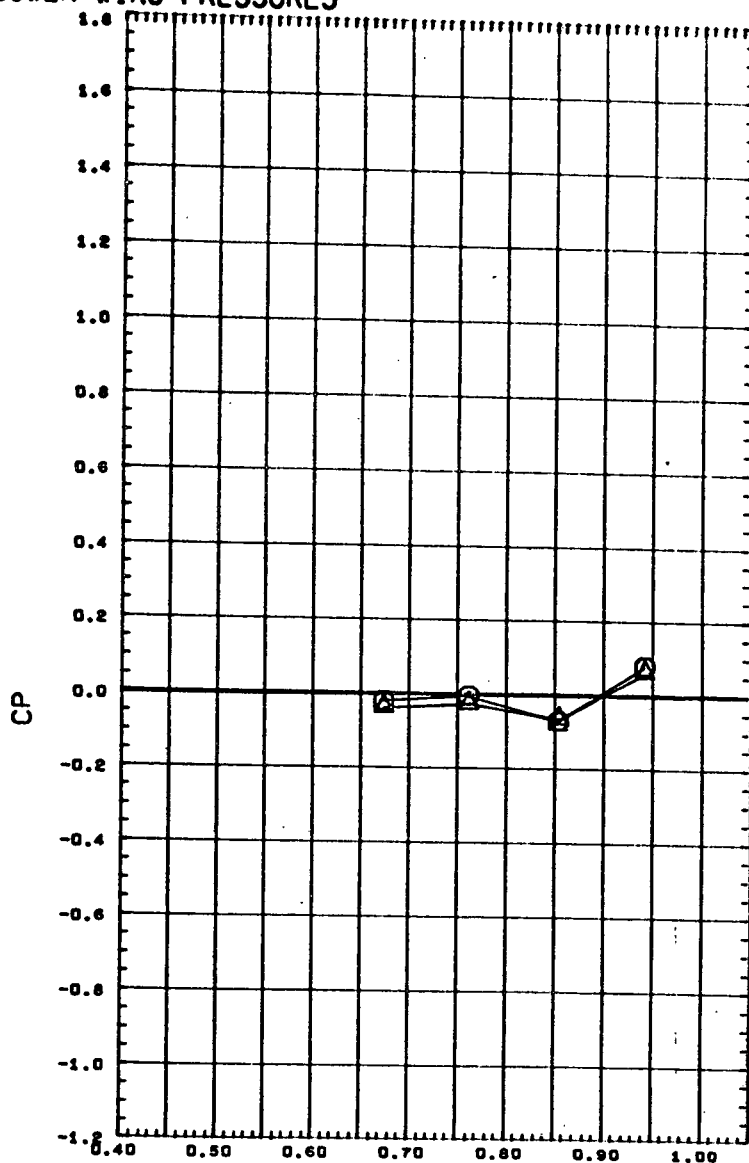
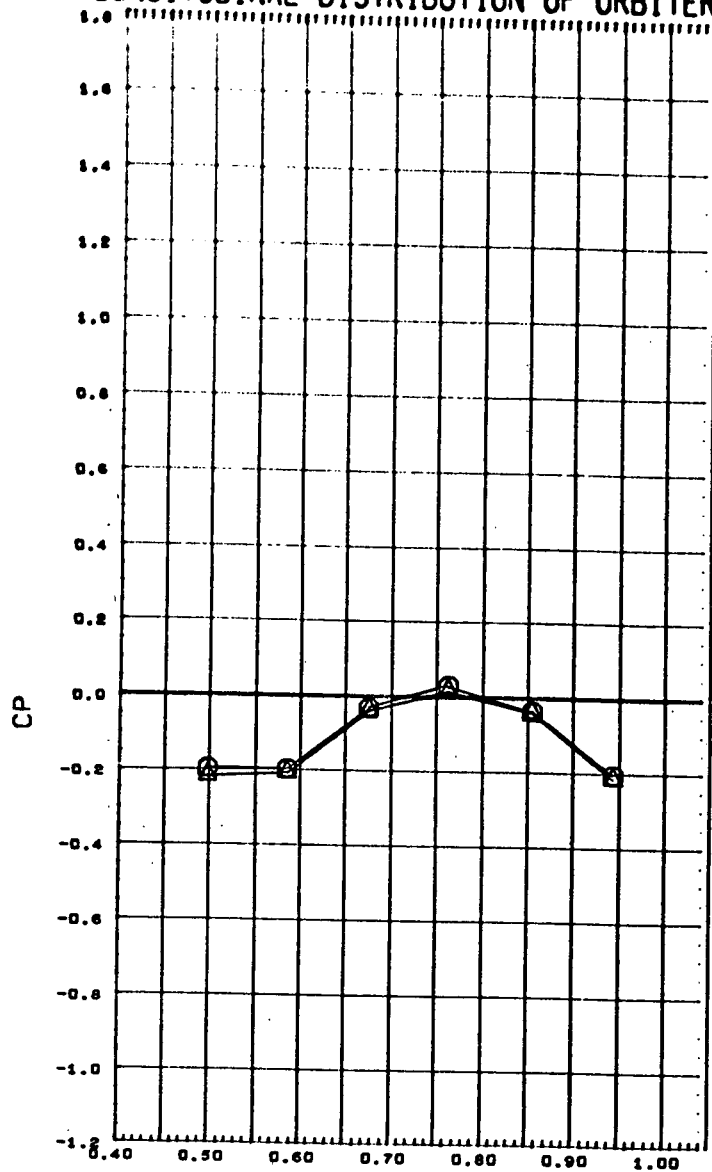


SYMBOL	BETA	Y/B	M1
○	6.203	0.230	1.302
△	4.105	0.399	
◇	2.025		
◻	0.252		
◼	1.830		

REFERENCE FILE

X/L	PARAMETRIC VALUES	
ALFB	0.000	OX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL Δ BETA 7.890 Y/B 0.230 M1 1.302
 7.994 0.399

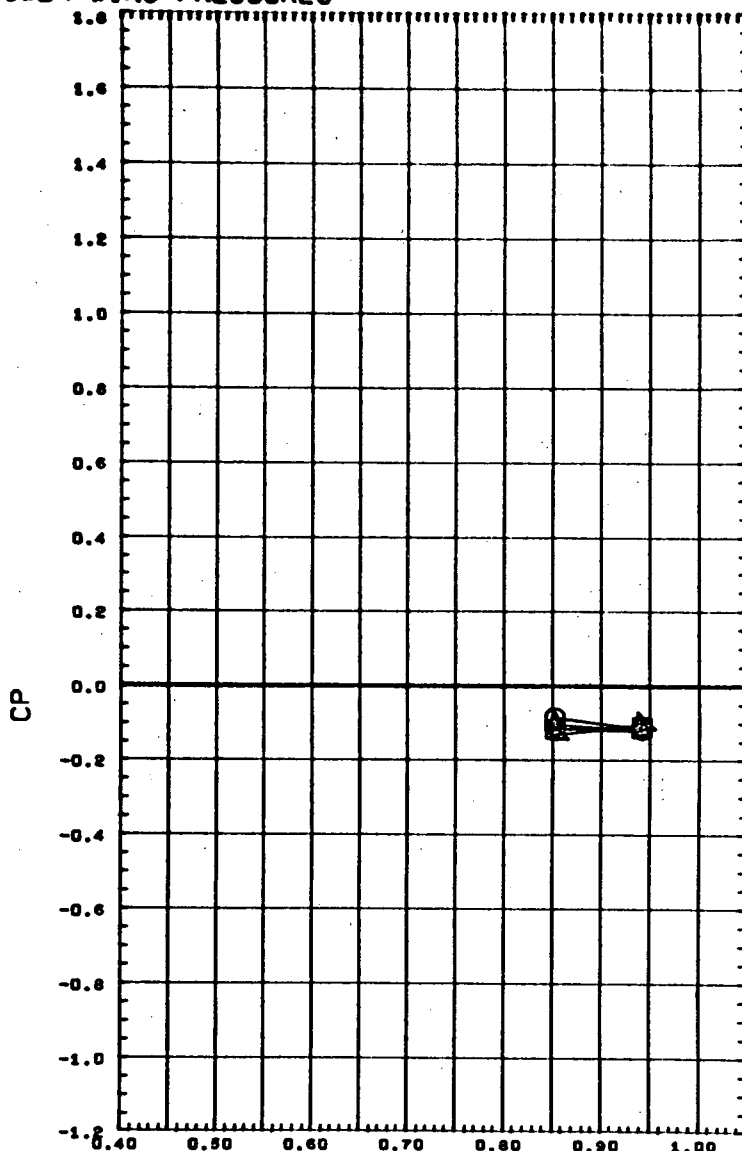
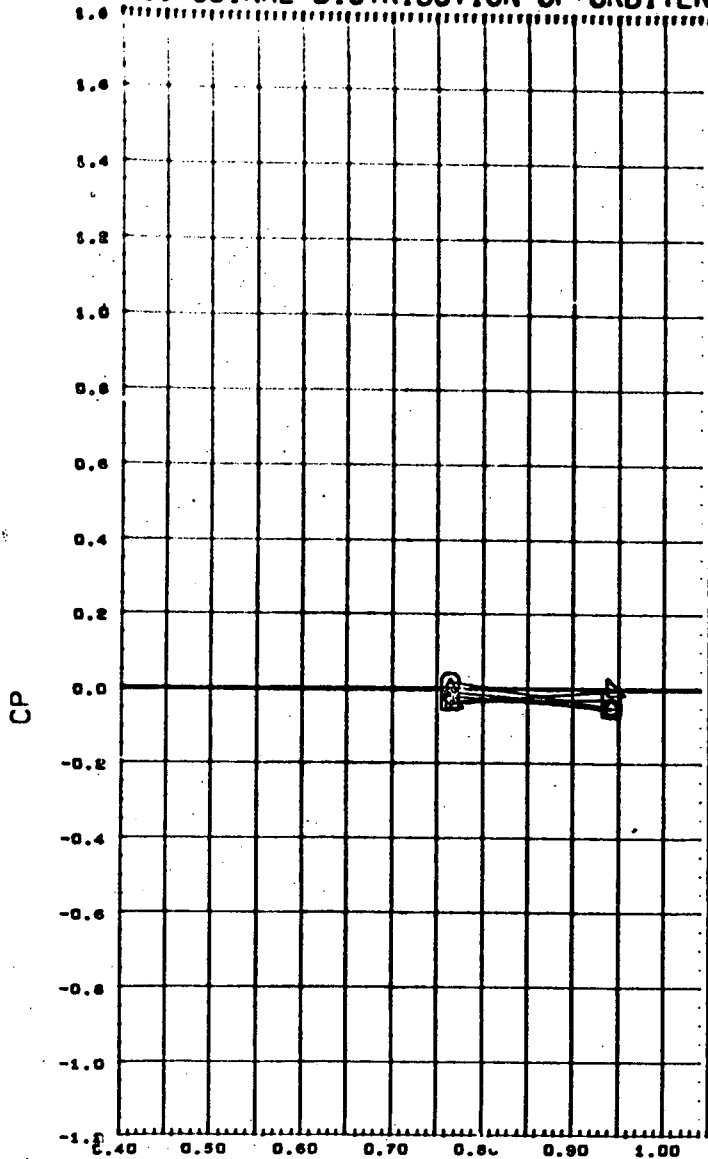
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 1 0.000 DX/L 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

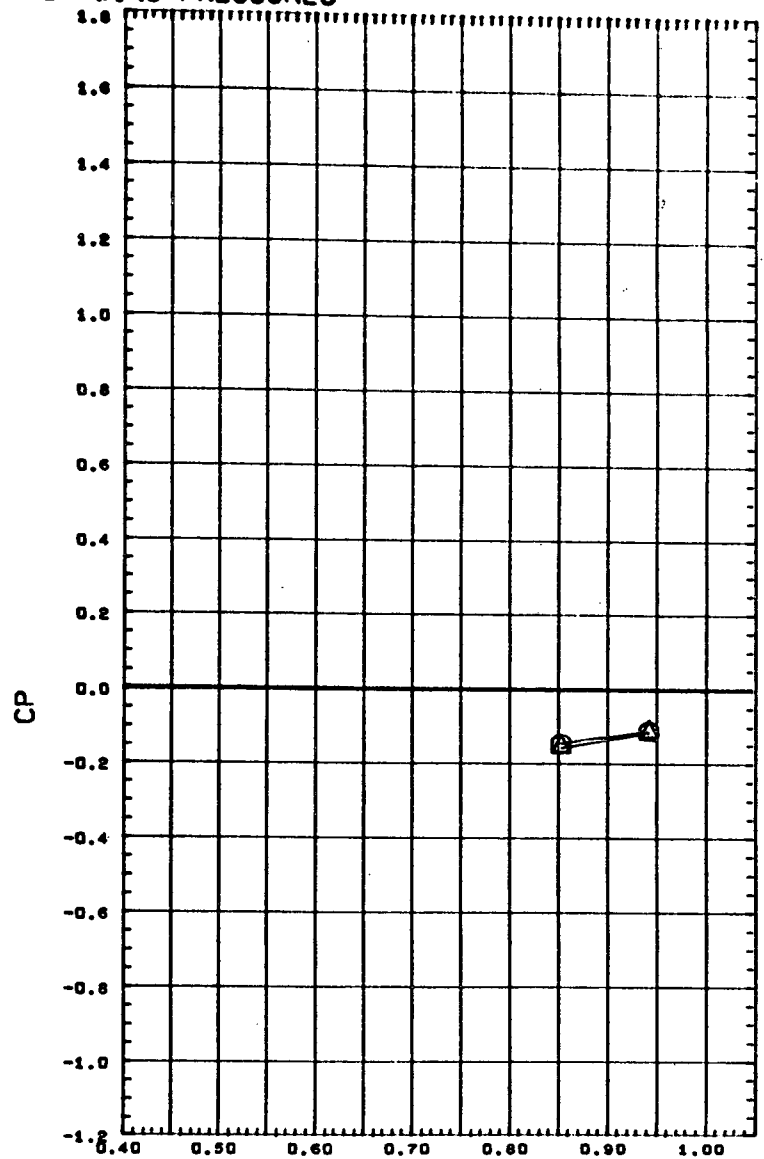
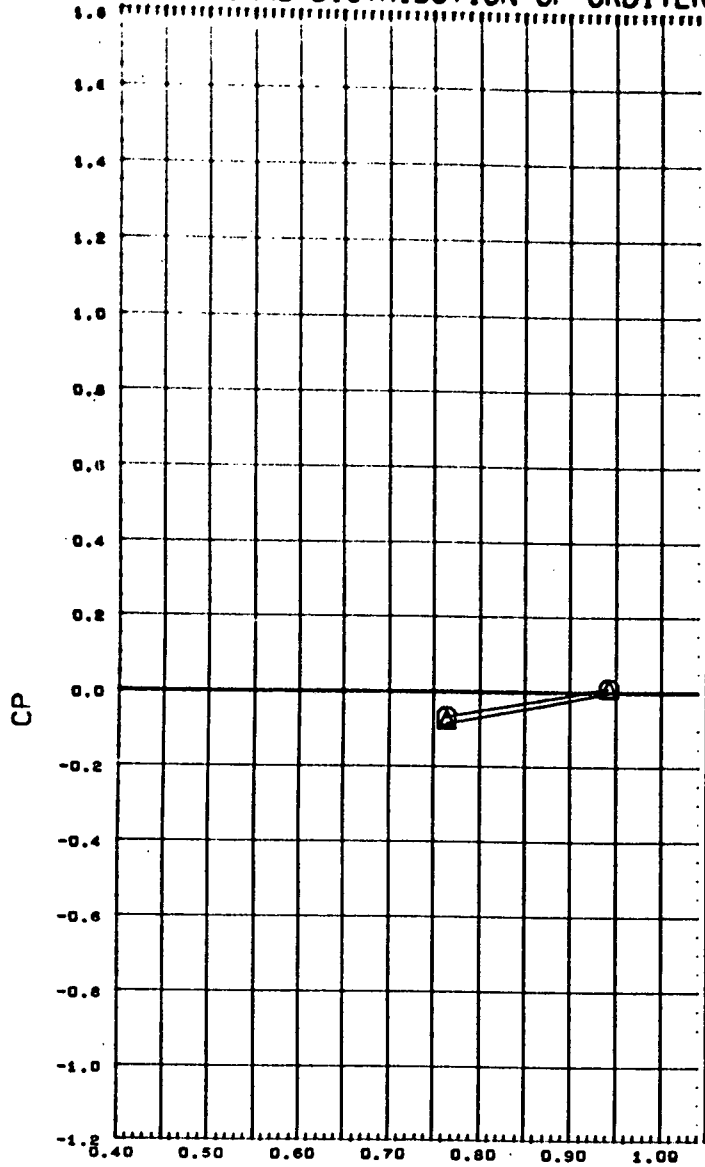


SYMBOL	BETA	Y/B	M1
○	6.203	0.568	1.302
△	4.105	0.738	
◇	2.025		
□	0.252		
◇	1.630		

REFERENCE FILE

PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

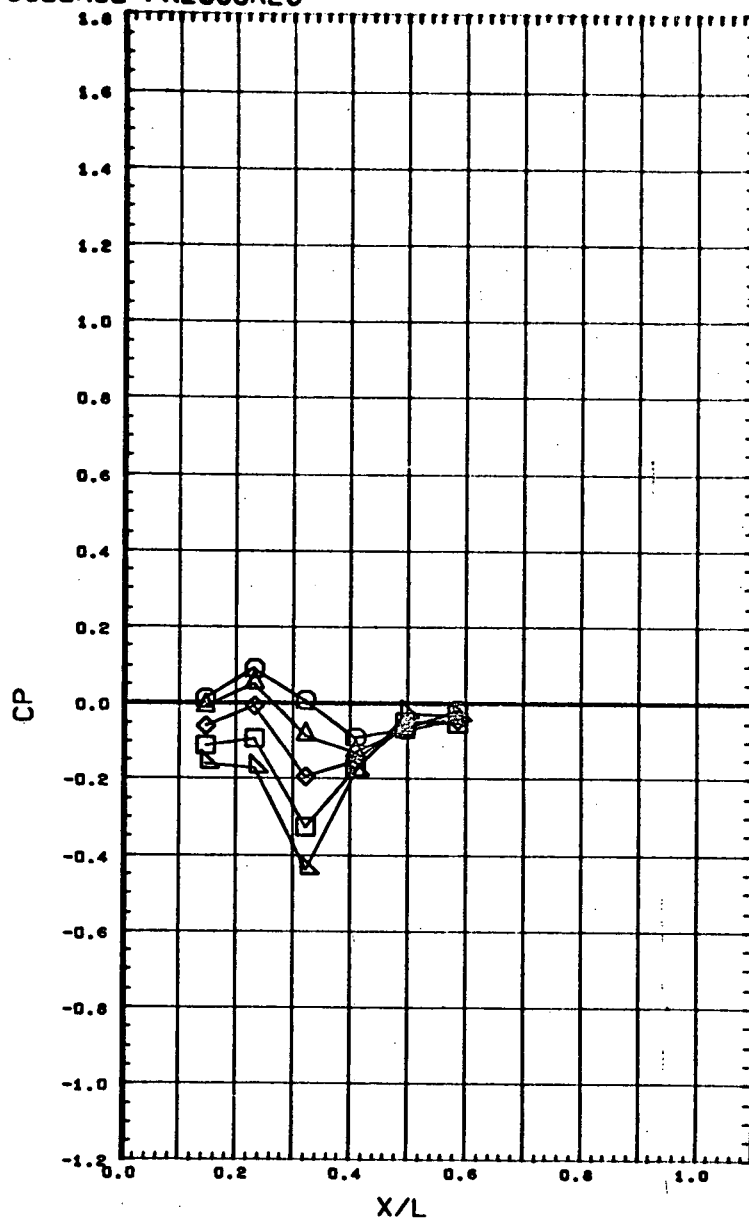
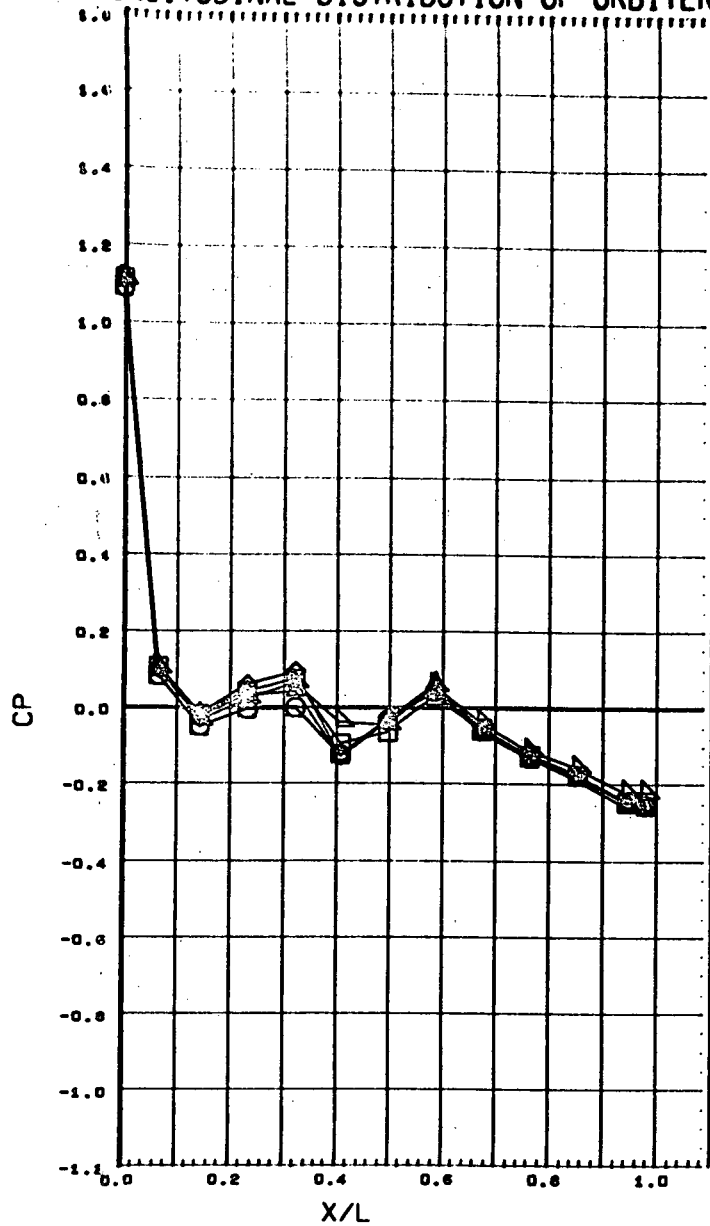


X/L			
SYMBOL	BETA	Y/B	M1
○	3.890	0.568	1.302
△	5.994	0.738	

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.000
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

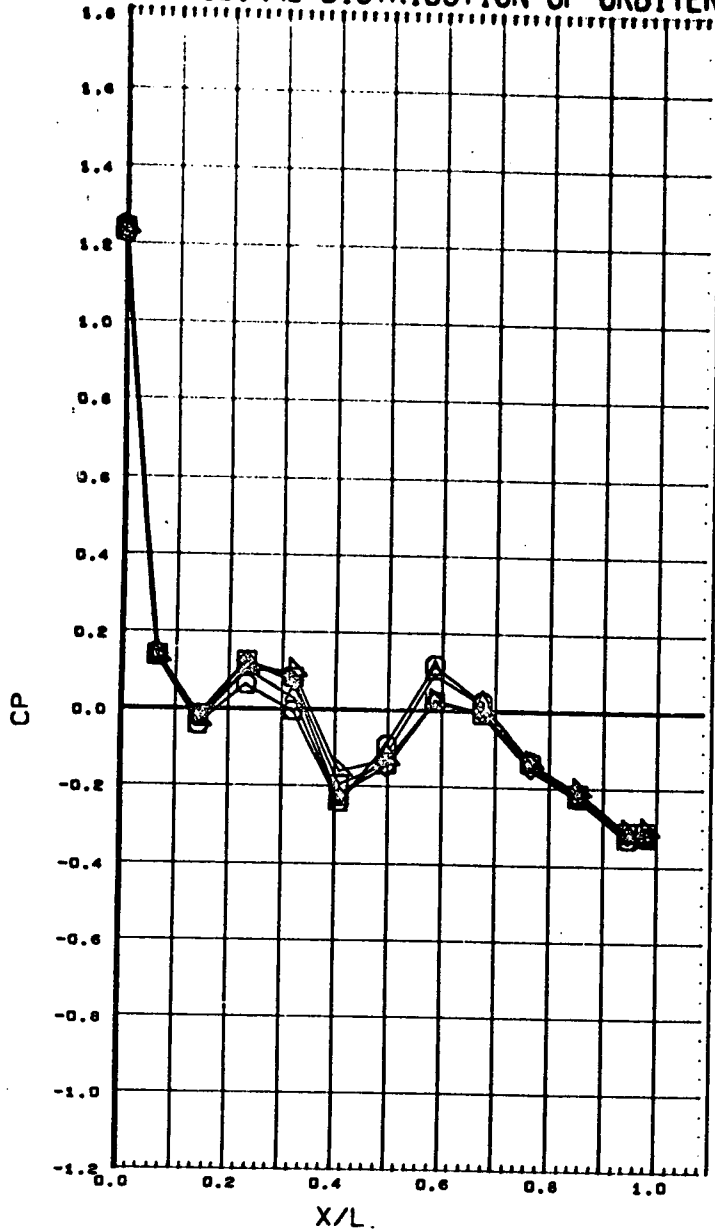


SYMBOL	BETA	Y/B	M1
○	3.904	0.000	0.599
△	1.993	0.076	
◇	0.013		
□	1.958		
■	3.955		

REFERENCE FILE

PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.000

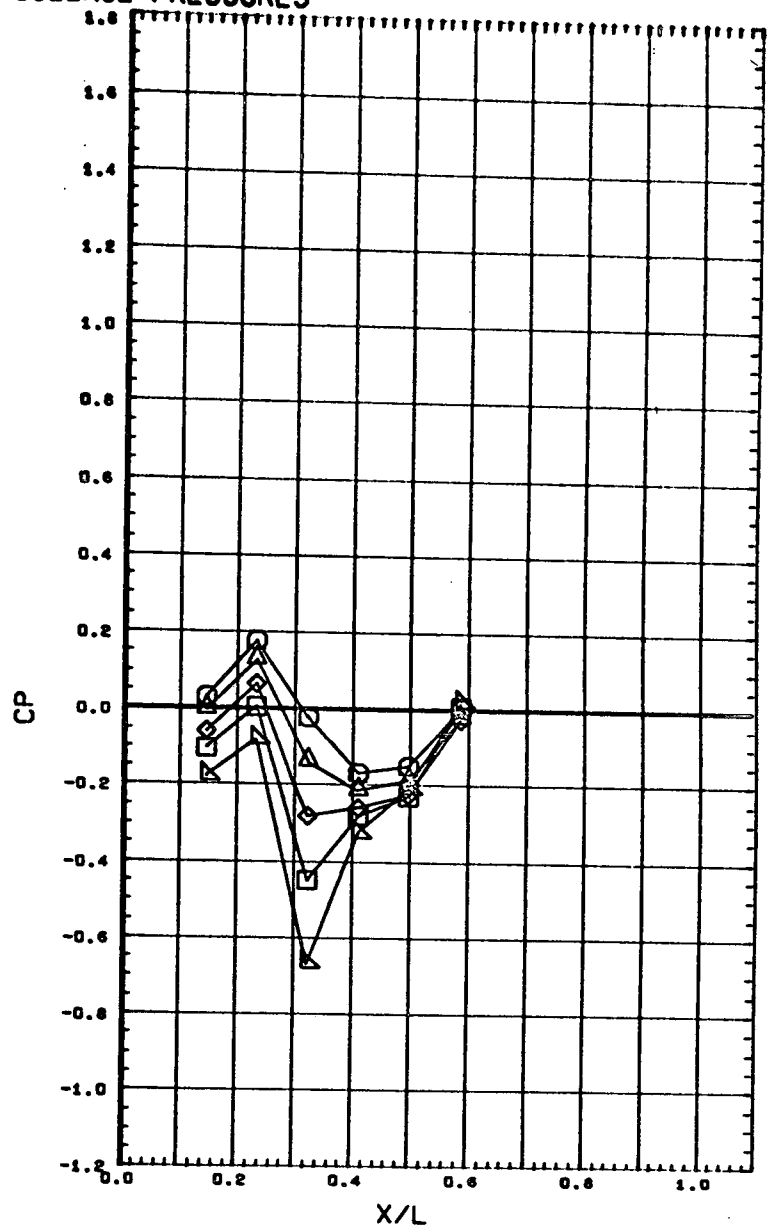
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.957	0.000	0.900
△	1.918	0.076	
◇	0.152		
□	2.081		
▽	4.094		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

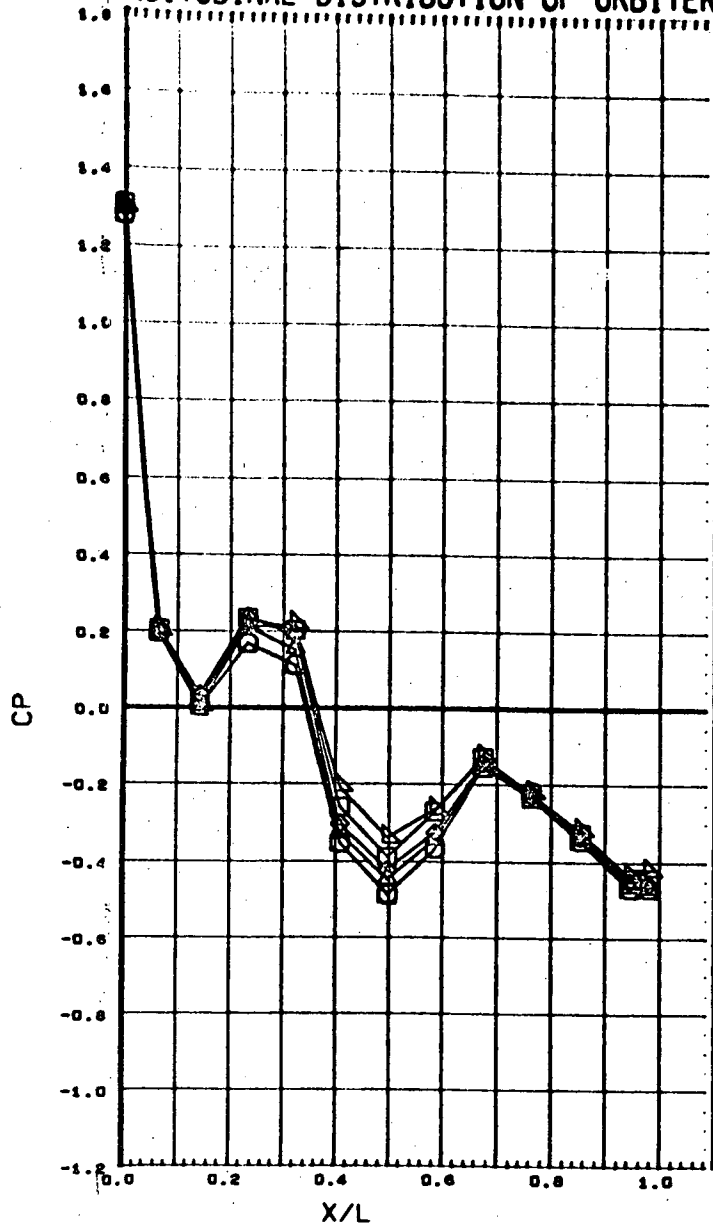


PARAMETRIC VALUES			
ALFB	6.000	OX/L	0.000
I	0.000		

(FTC003)

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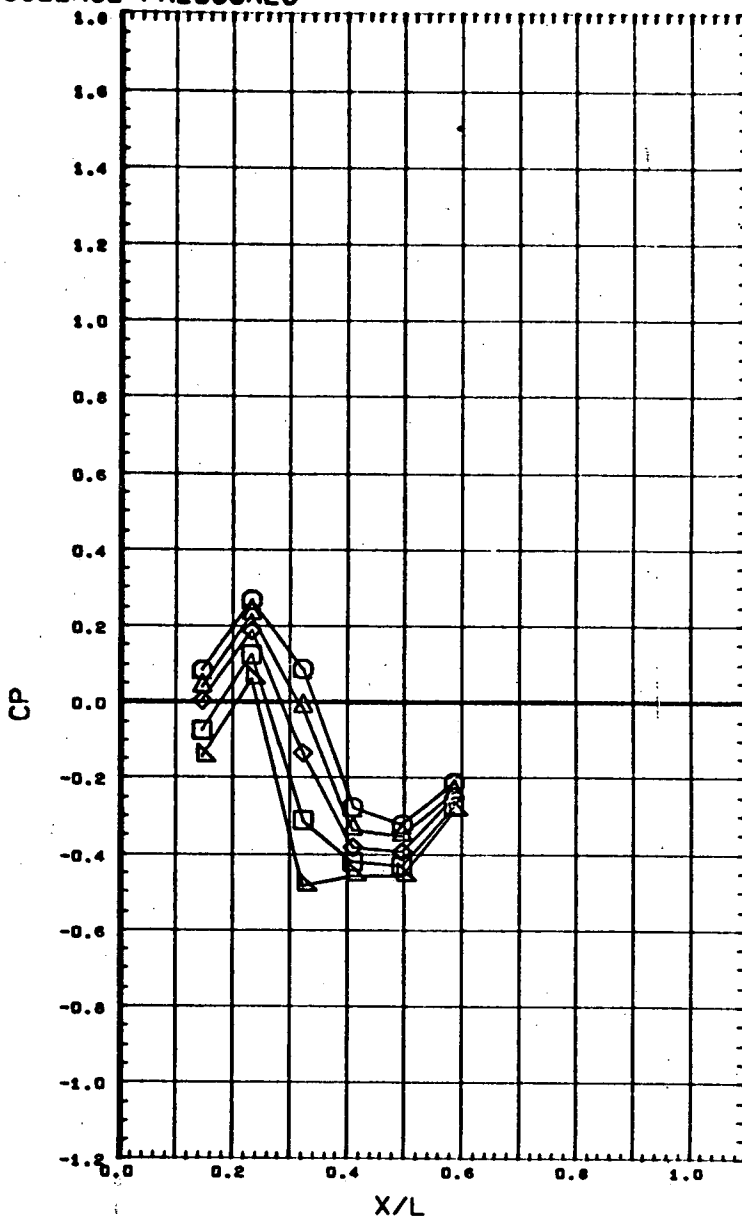
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.189	0.000	0.999
△	1.899	0.076	
◇	0.003		
□	2.143		
▽	4.116		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

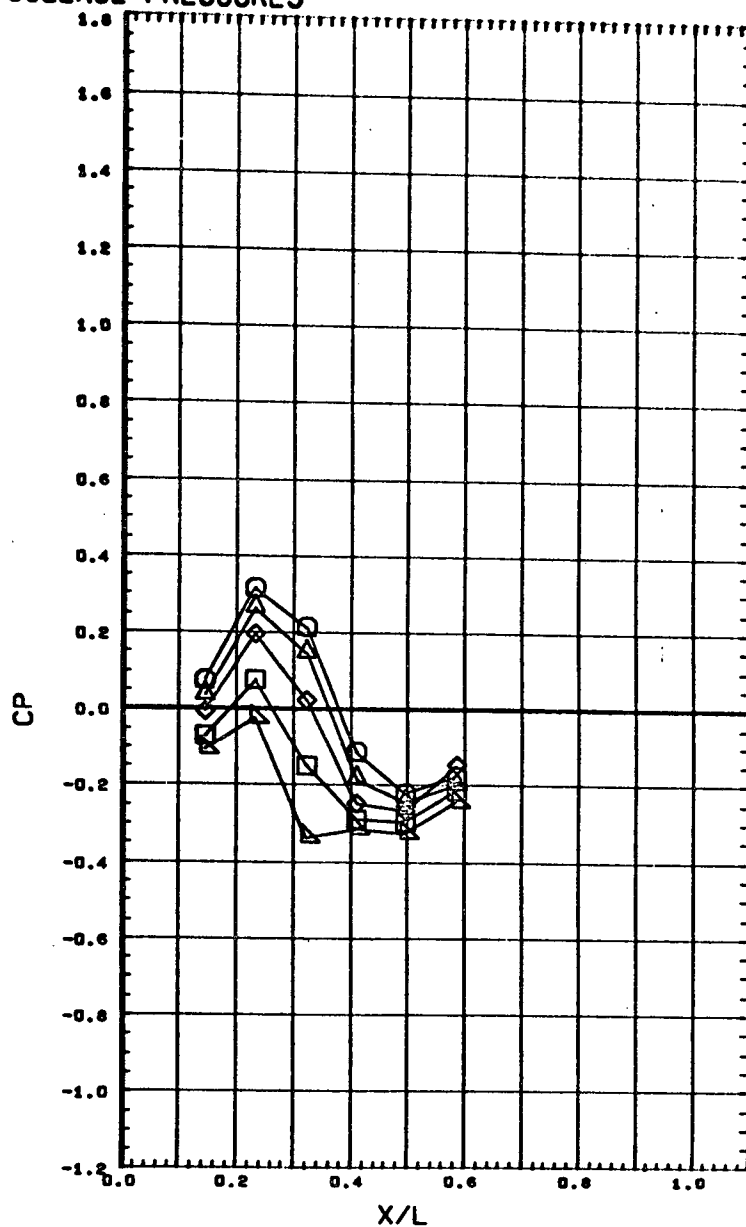
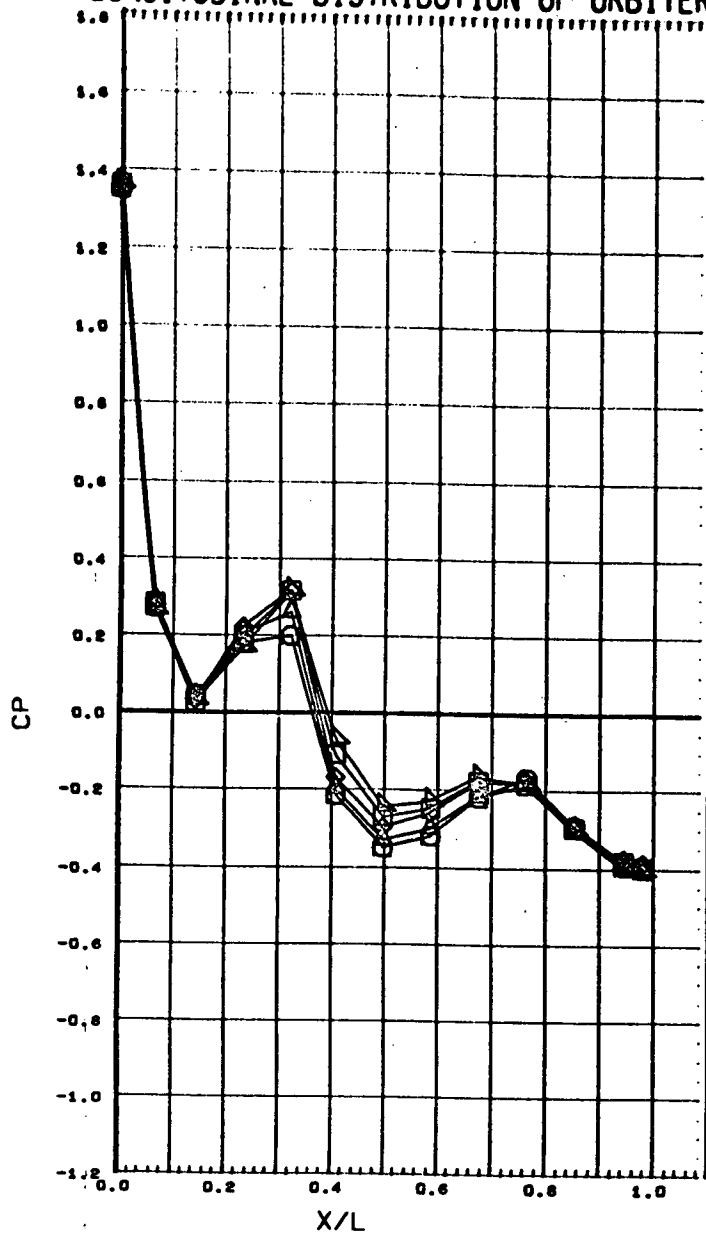


PARAMETRIC VALUES		
ALFB	- 6.000	DX/L 0.000
I	0.000	

(FTC003)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

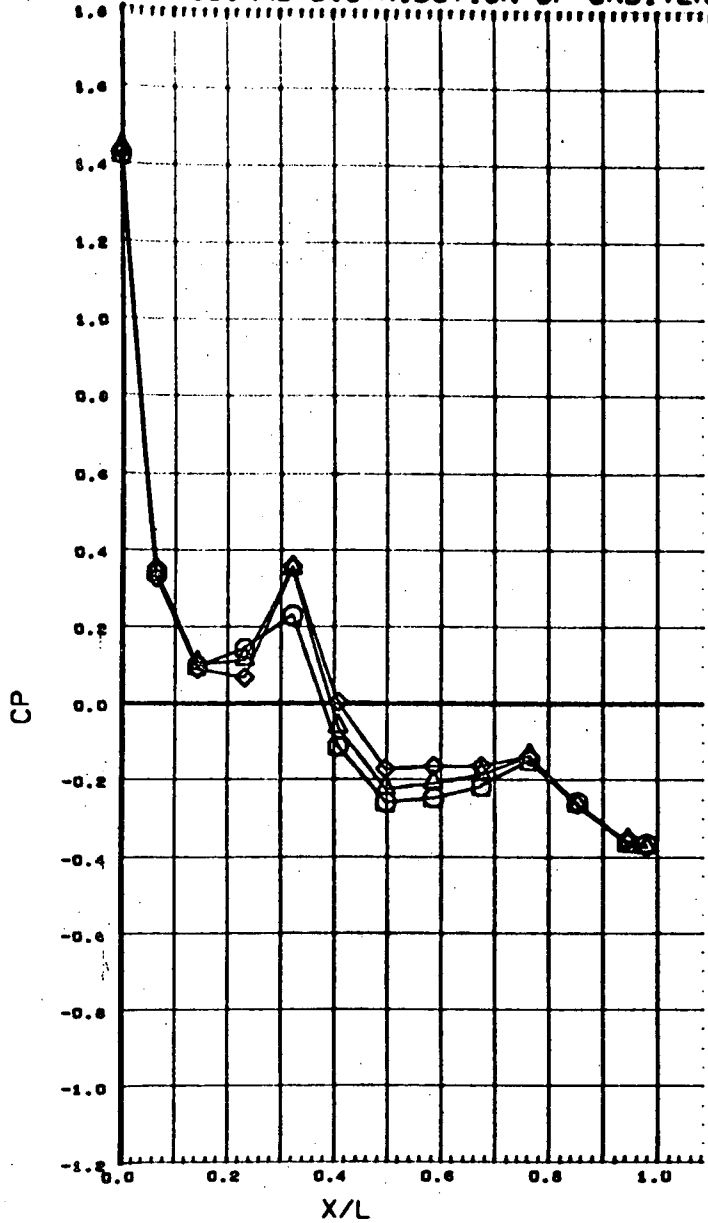


SYMBOL	BETA	Y/B	M1
○	4.154	0.000	1.100
△	2.119	0.076	
◇	0.035		
□	2.286		
■	4.304		

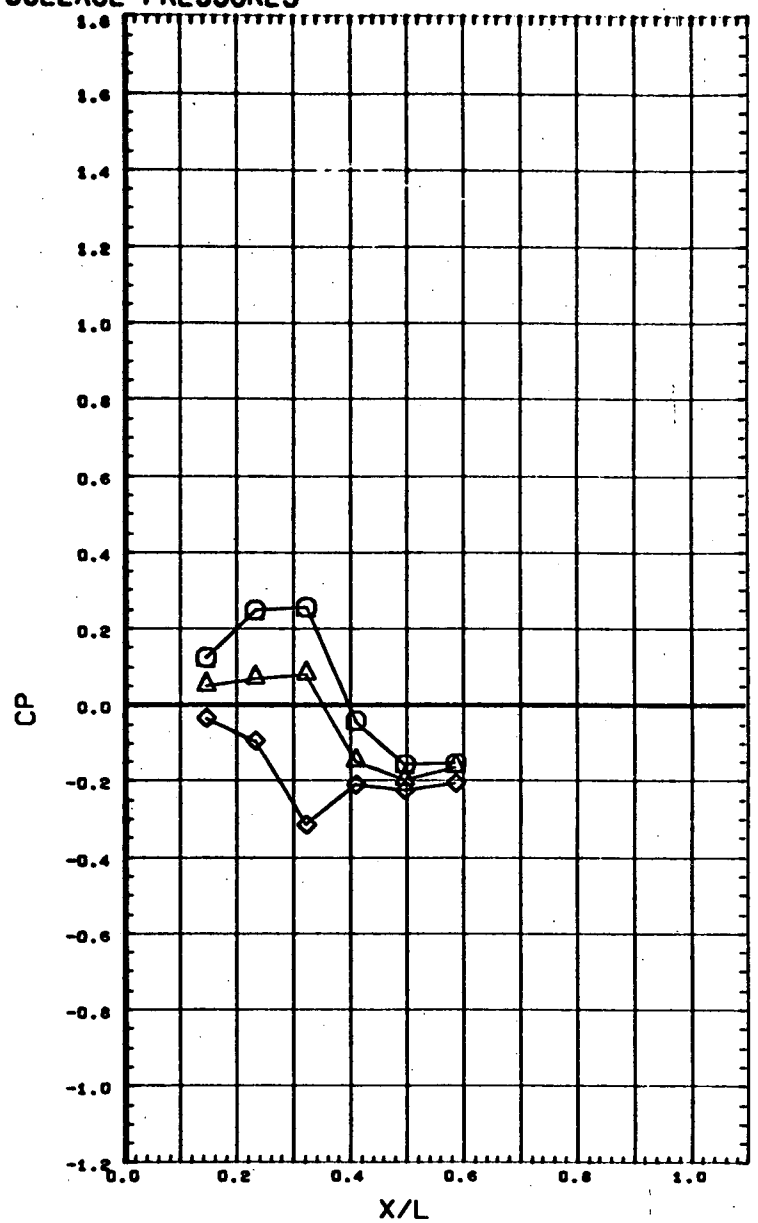
REFERENCE FILE

PARAMETRIC VALUES			
ALFB	-	6.000	DX/L
I		0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



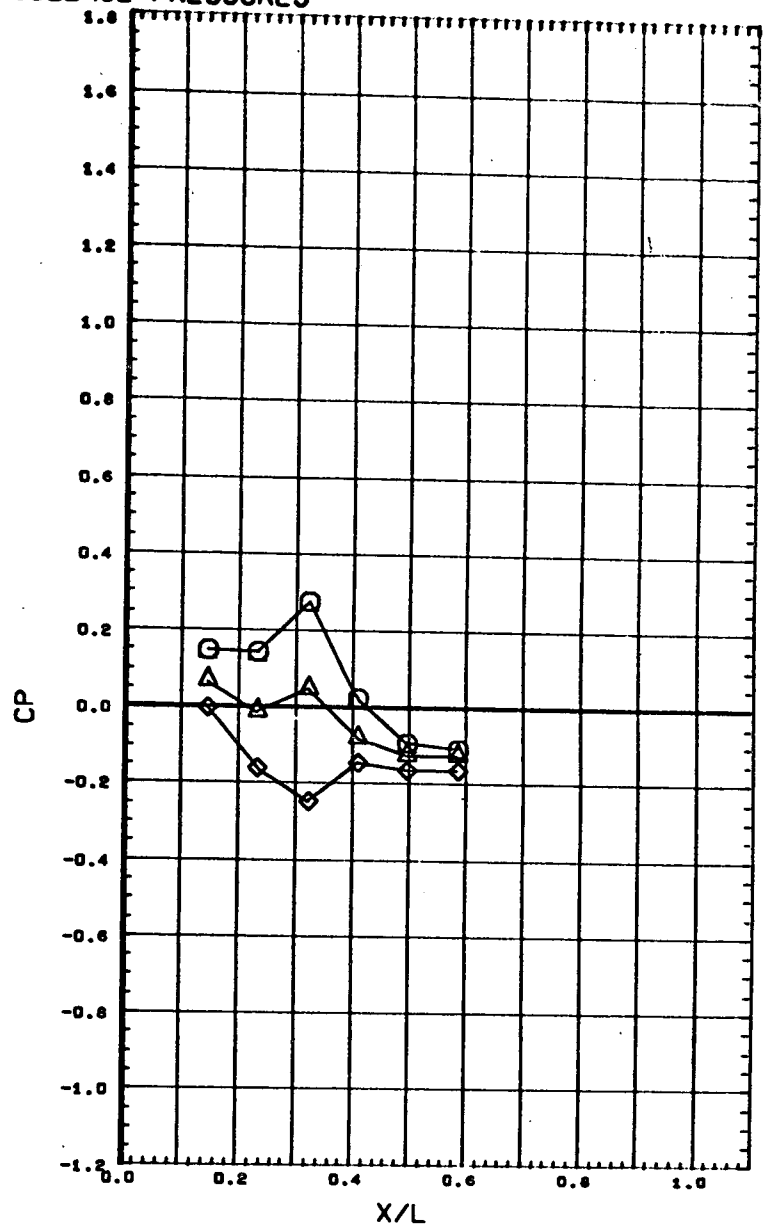
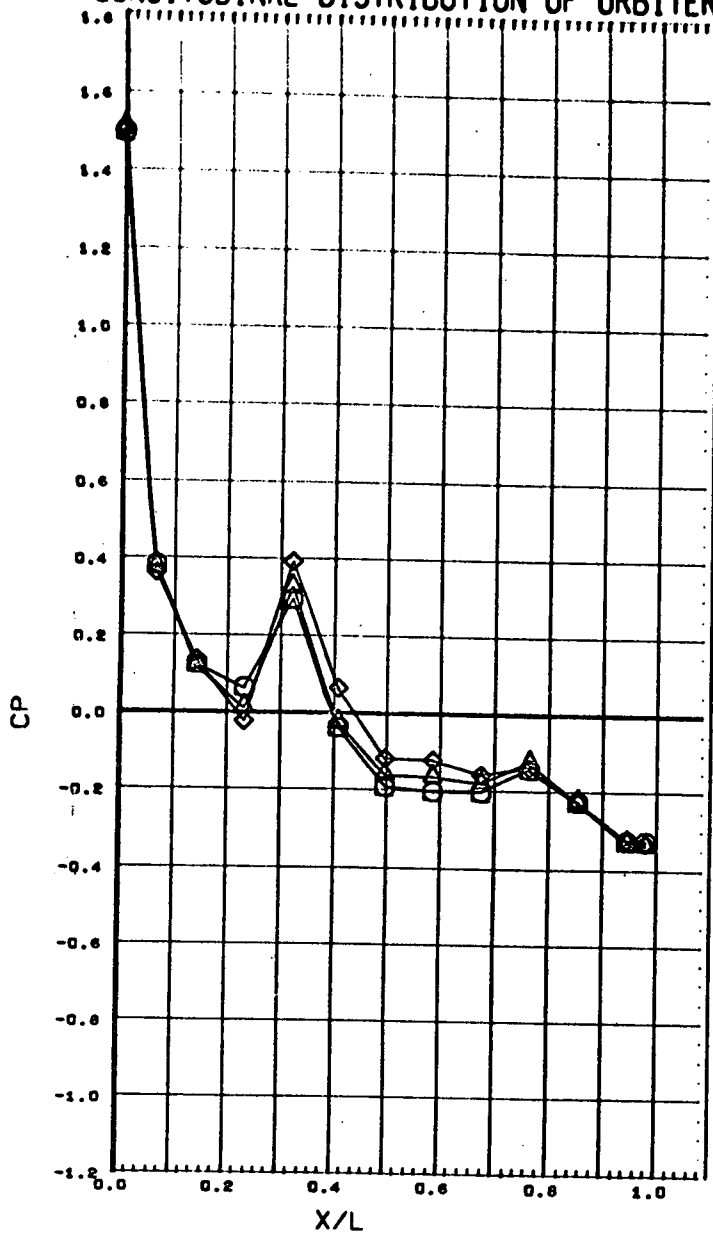
SYMBOL	BETA	Y/B	M1
○	4.187	0.000	1.201
△	0.069	0.076	
◇	4.363		



PARAMETRIC VALUES		
ALPB	- 6.000	DX/L
I	0.000	0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

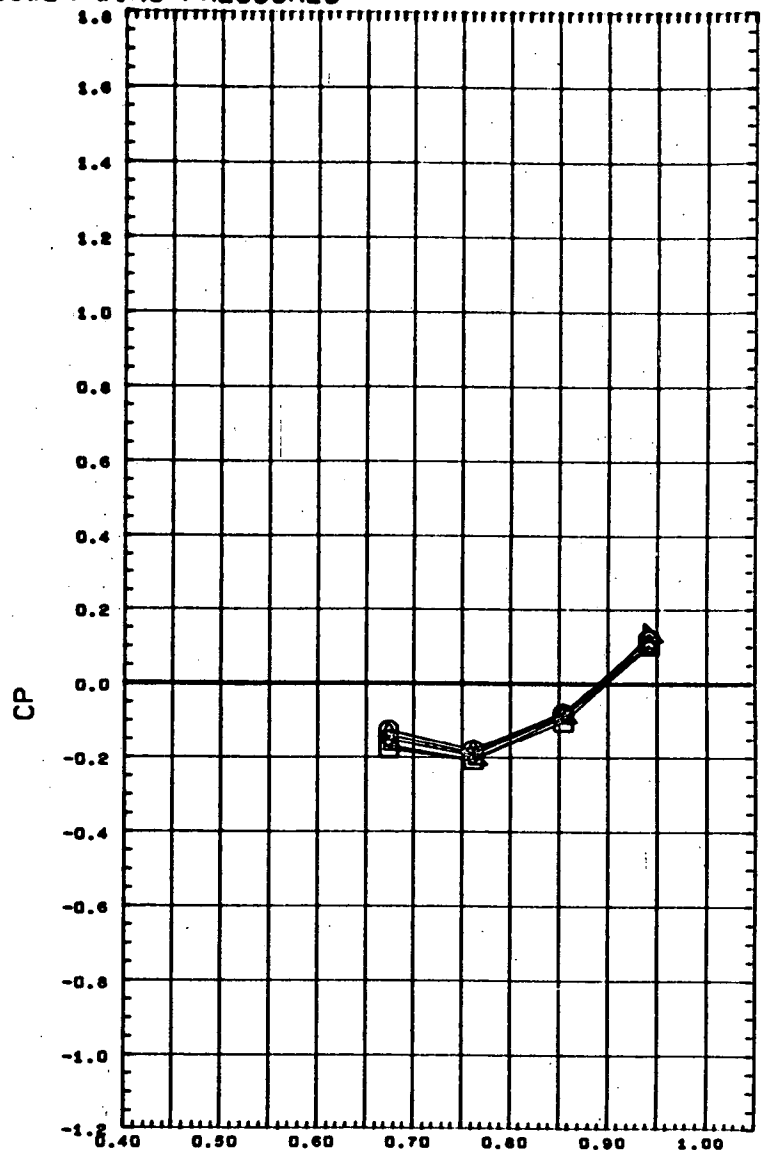
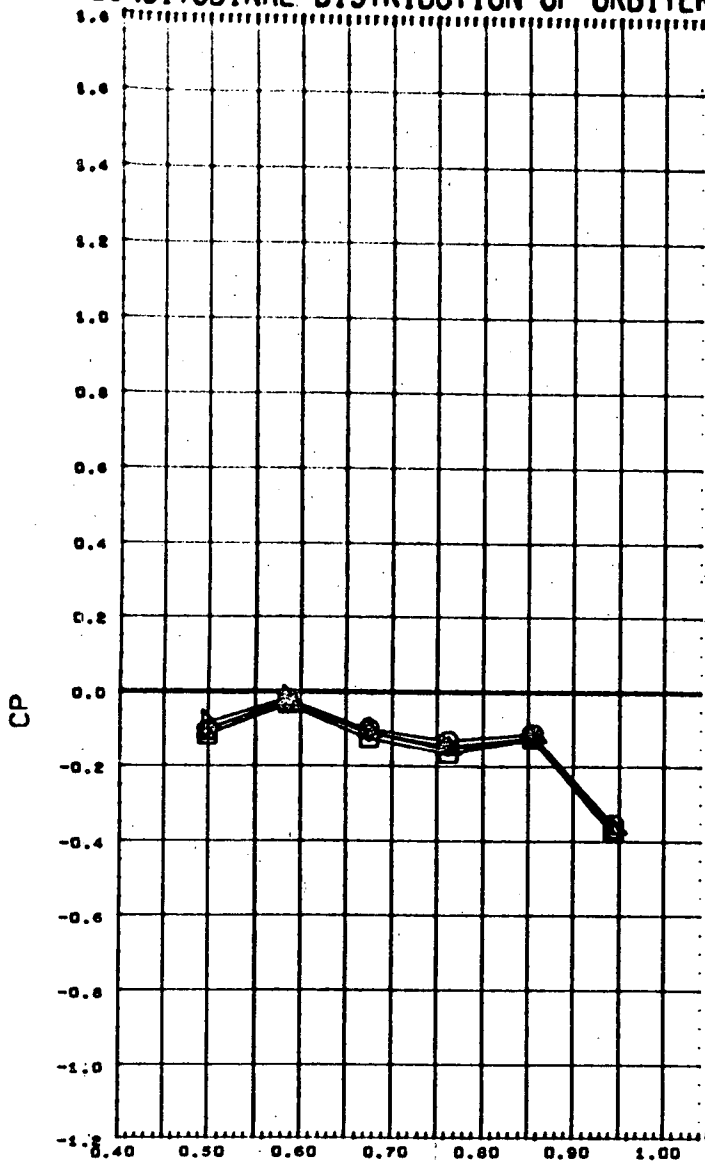


SYMBOL	BETA	Y/B	M1
○	4.197	0.000	1.300
△	0.065	0.076	
◇	4.355		

PARAMETRIC VALUES		
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I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

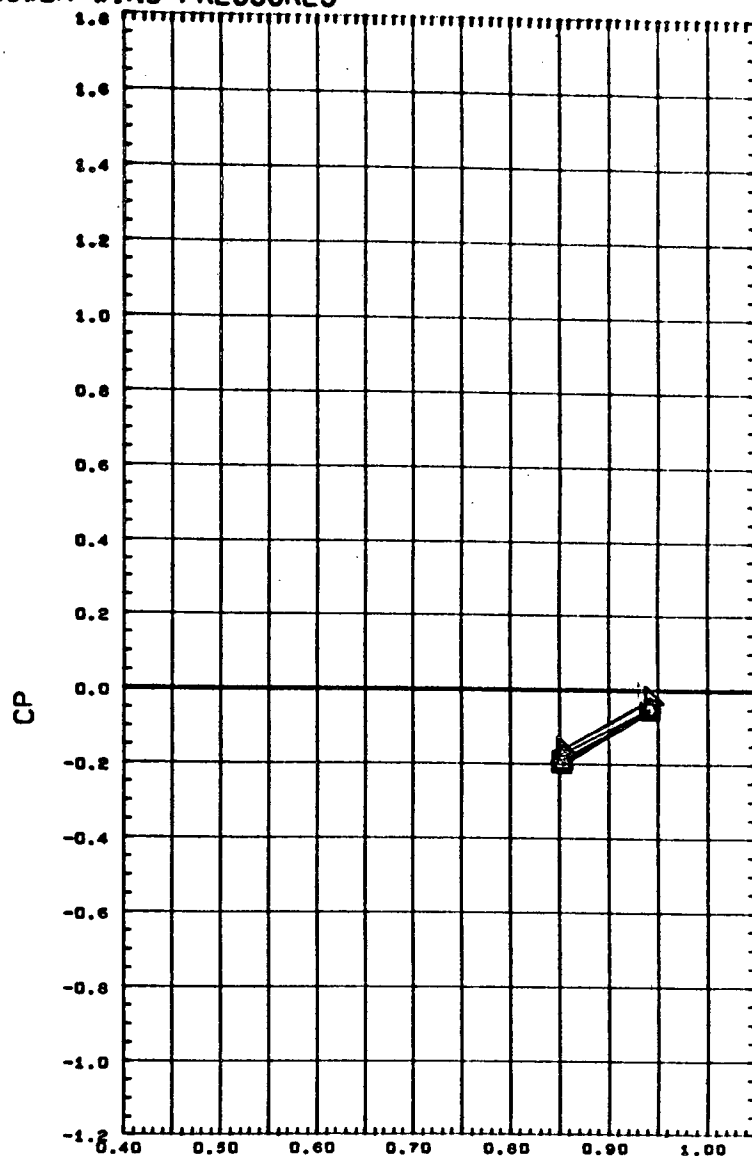
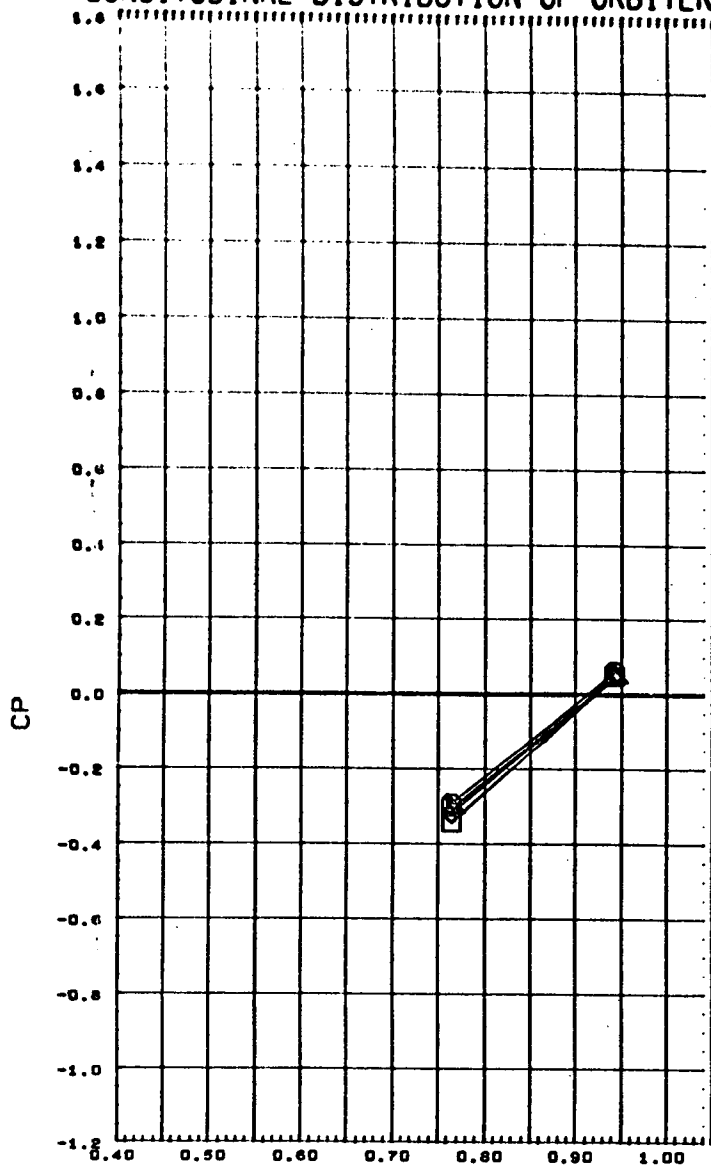


X/L			
SYMBOL	BETA	Y/B	M1
△	3.904	0.230	0.599
○	1.993	0.399	
◇	0.013		
□	1.958		
	3.955		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALFB	6.000	0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

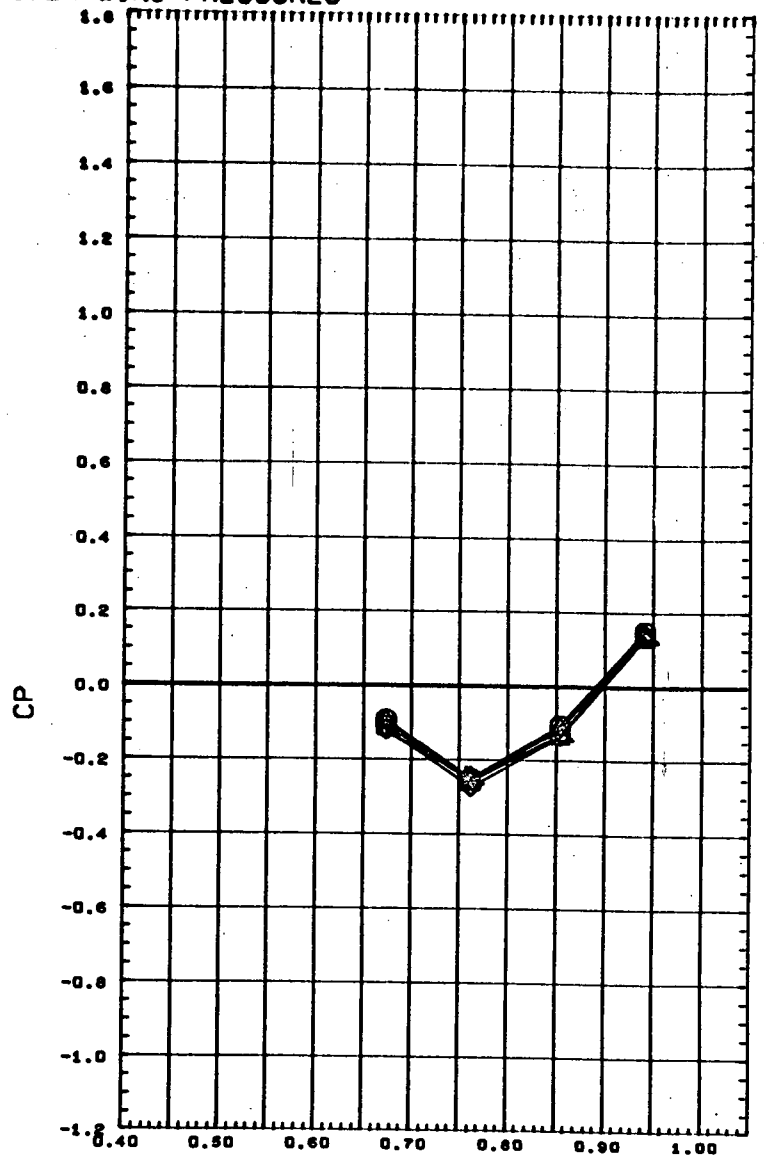
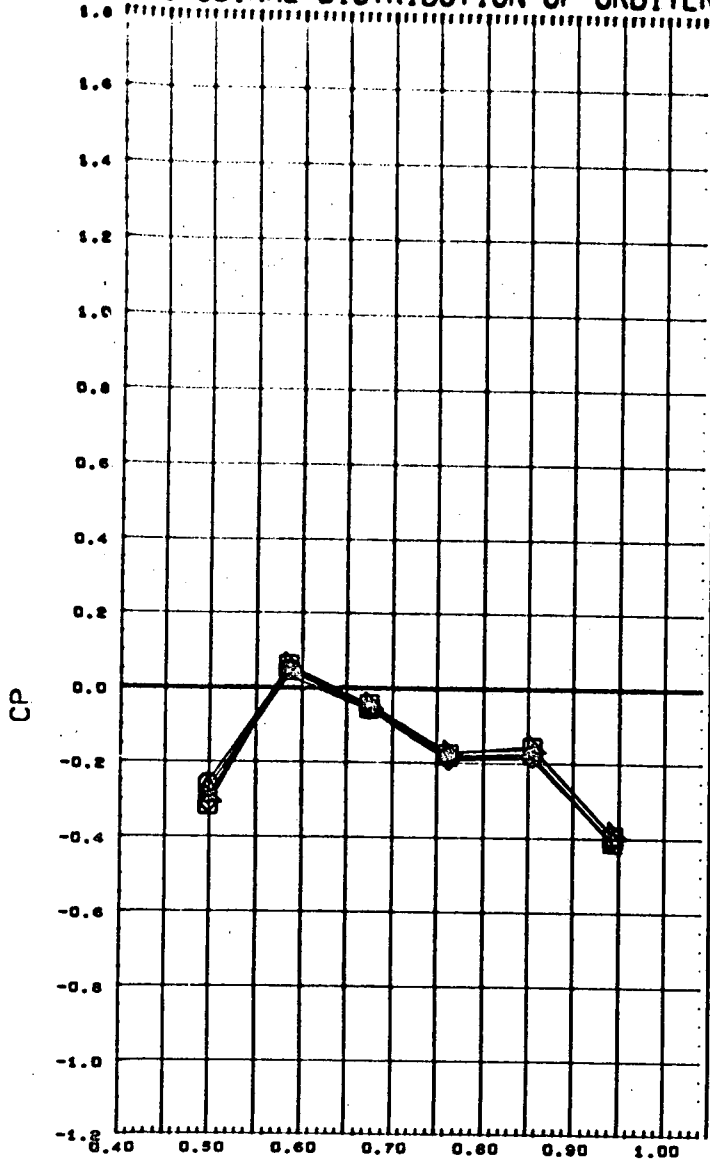


X/L			
SYMBOL	BETA	Y/B	M1
□	3.904	0.568	0.599
○	1.993	0.738	
◇	0.013		
△	1.958		
▽	3.955		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	OX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

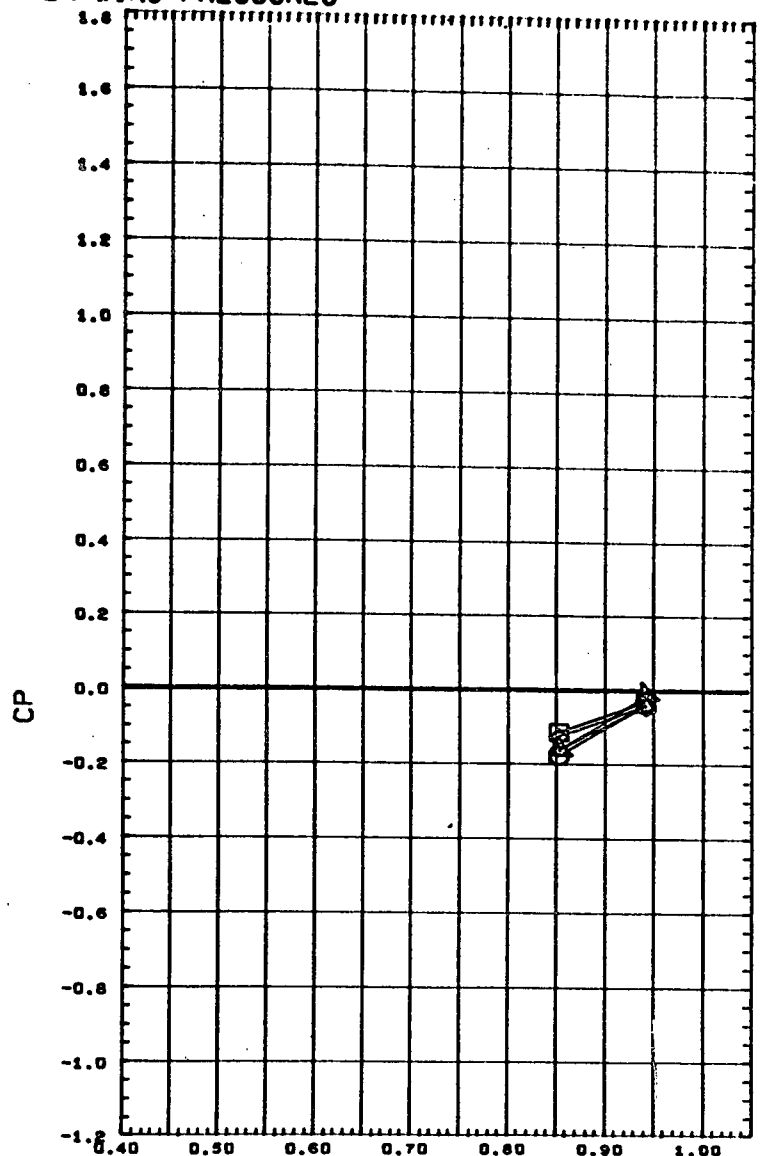
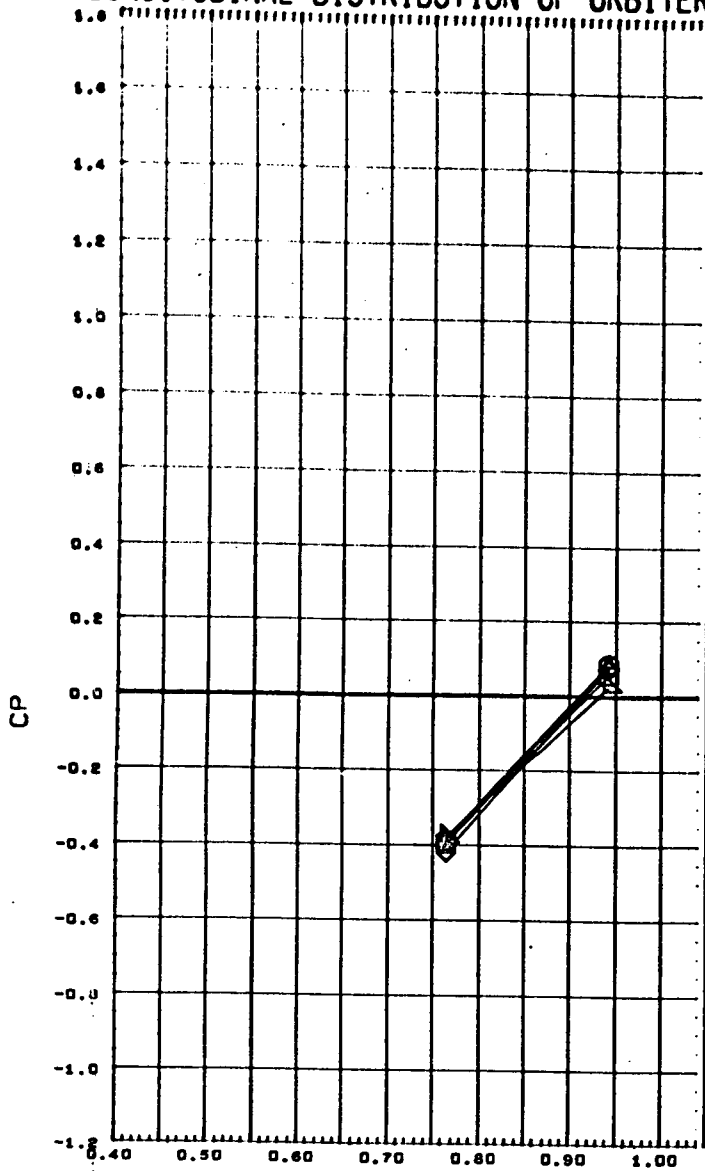


X/L			
SYMBOL	BETA	Y/B	M1
○	3.957	0.230	0.900
△	1.918	0.399	
◇	0.152		
□	2.081		
■	4.094		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	6.000	OX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

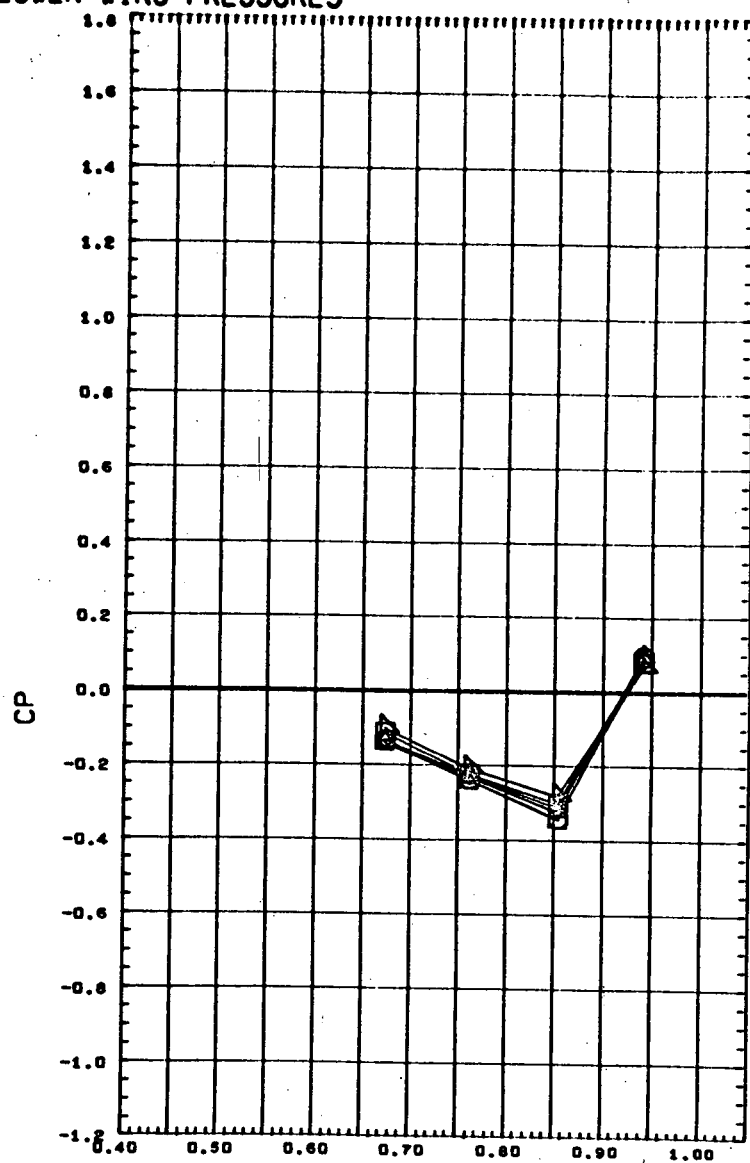
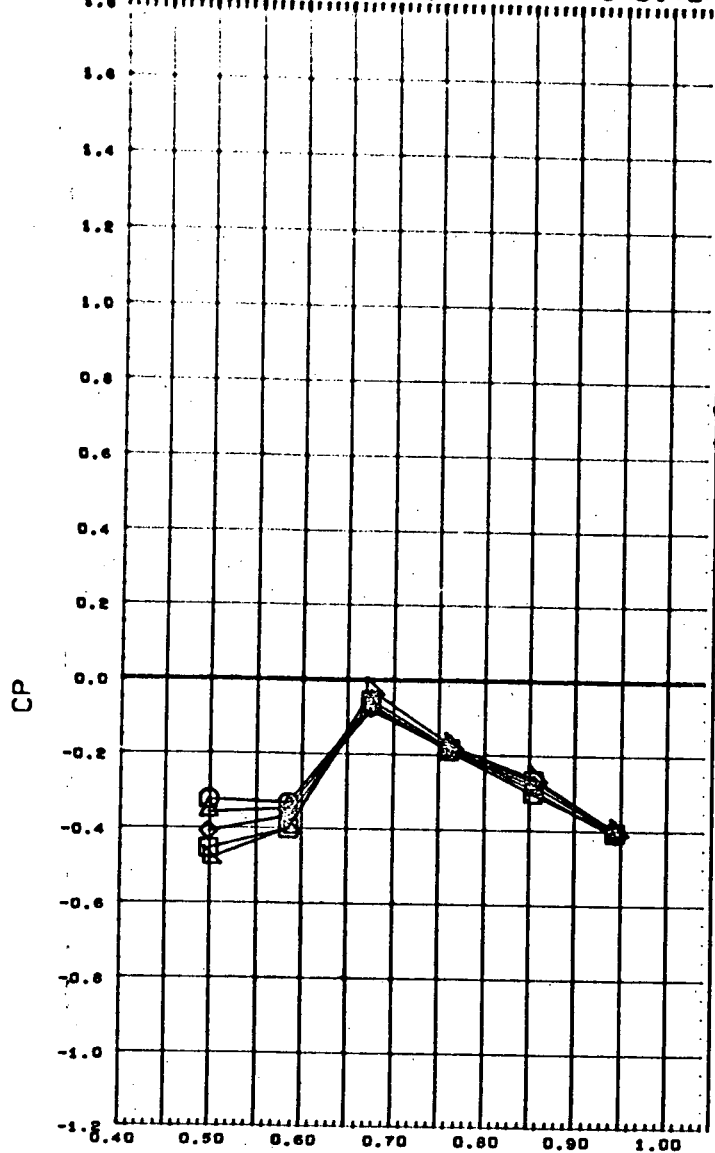


X/L			
SYMBOL	BETA	Y/B	M1
○	- 3.957	0.568	0.900
◇	- 1.918	0.738	
△	0.152		
□	2.081		
◇	4.094		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	OX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

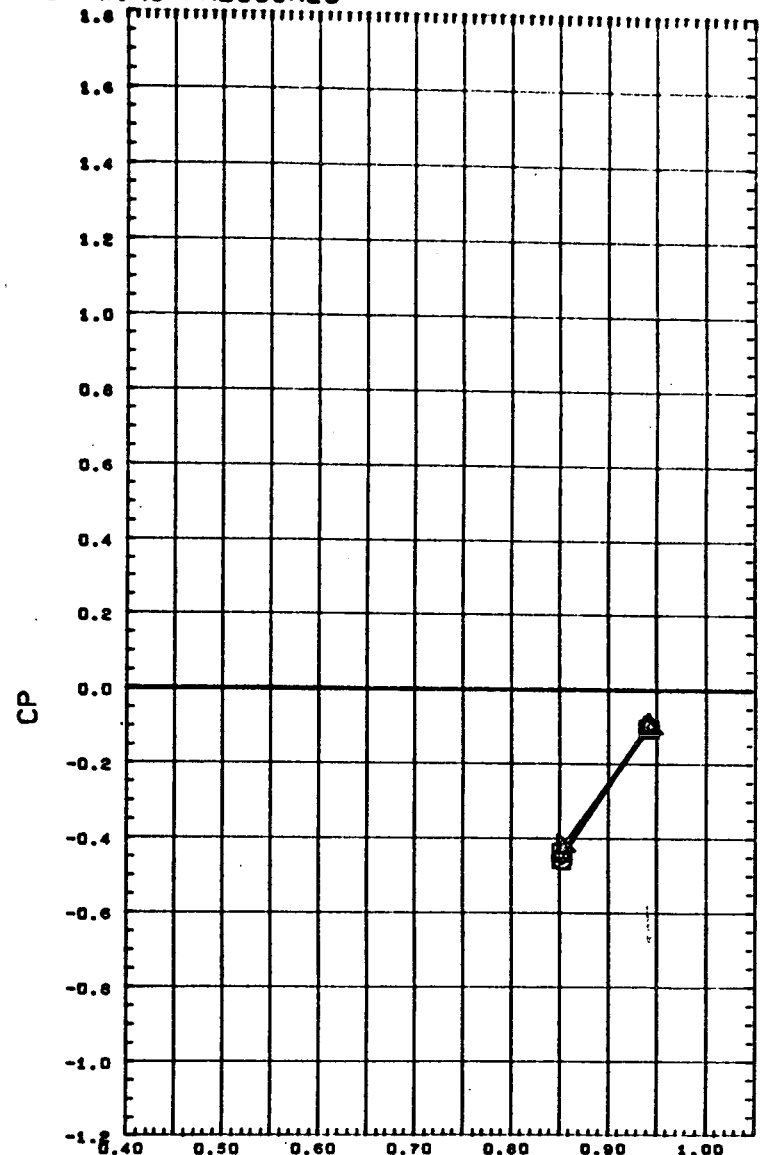
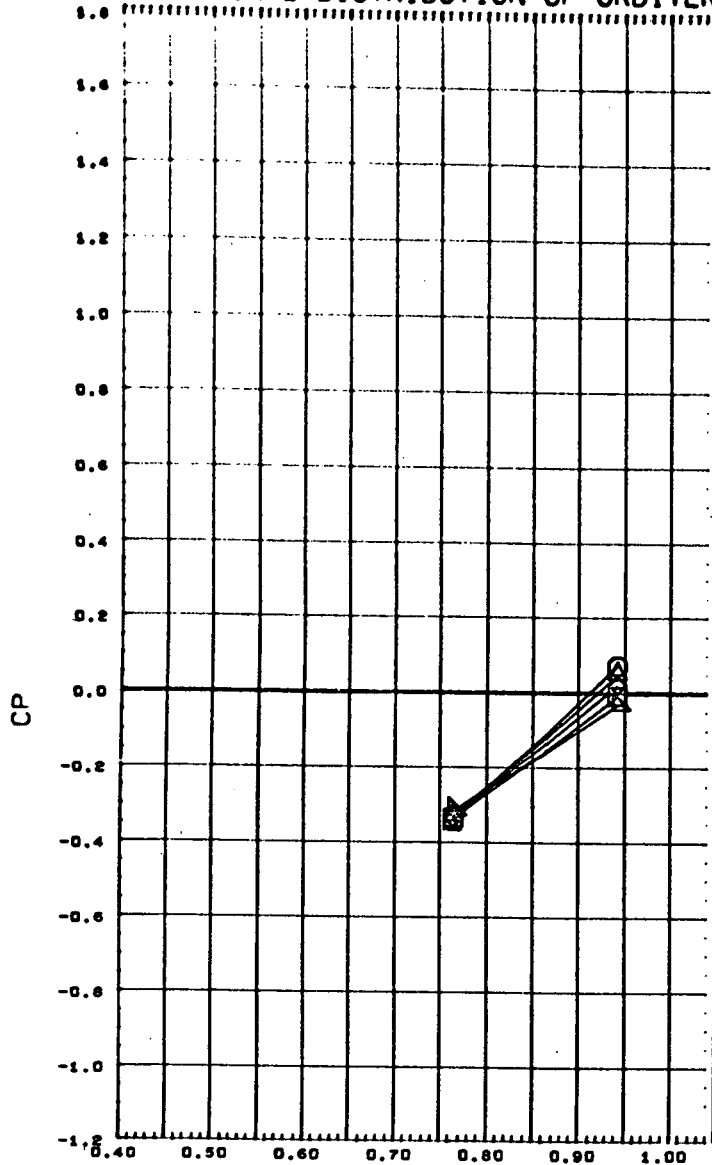


SYMBOL	BETA	Y/B	M1
○	4.189	0.230	0.999
△	1.899	0.399	
◇	0.003		
□	2.143		
▽	4.116		

REFERENCE FILE

ALFB	PARAMETRIC VALUES	OX/L
1	6.000	0.000
	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

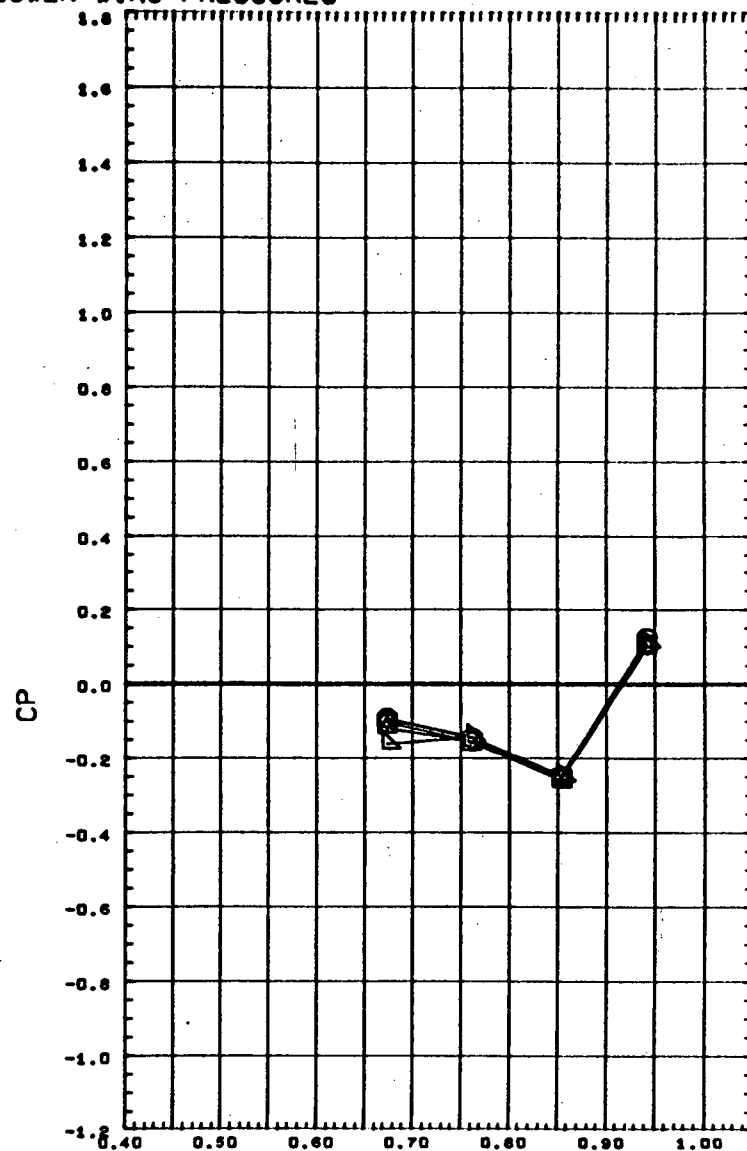
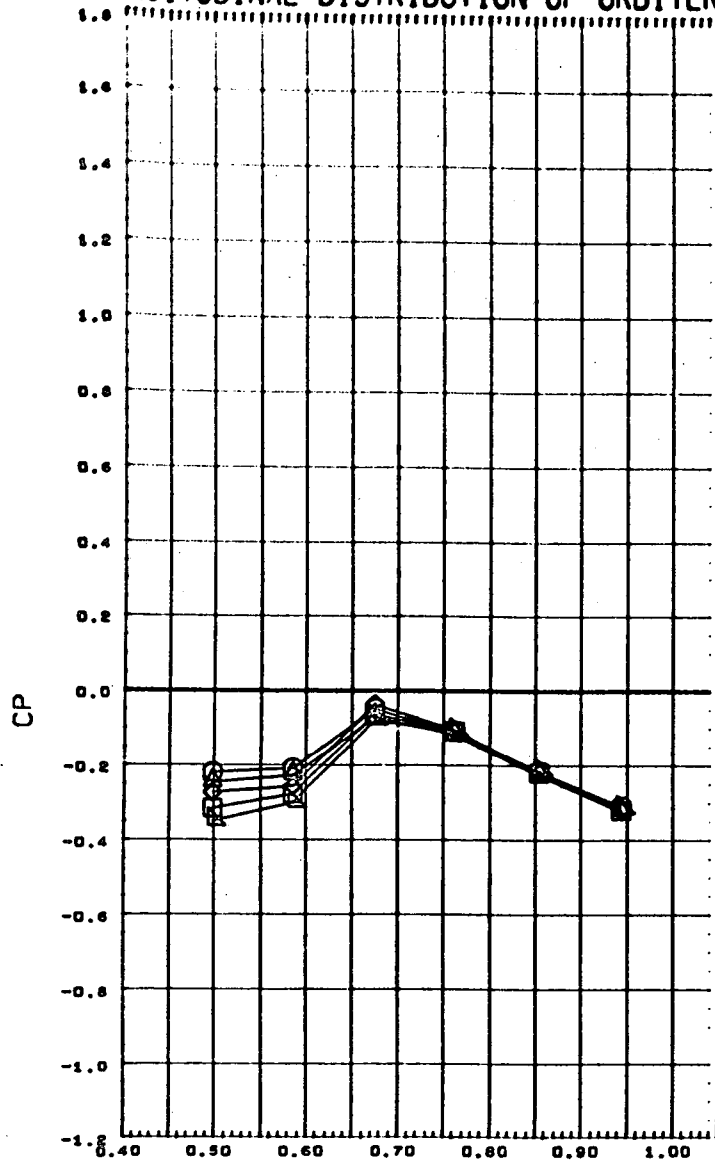


SYMBOL	BETA	Y/B	M1
○	4.189	0.568	0.999
△	1.899	0.738	
◇	0.003		
□	2.143		
▽	4.116		

REFERENCE FILE

PARAMETRIC VALUES		
ALFB	- 6.000	DX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

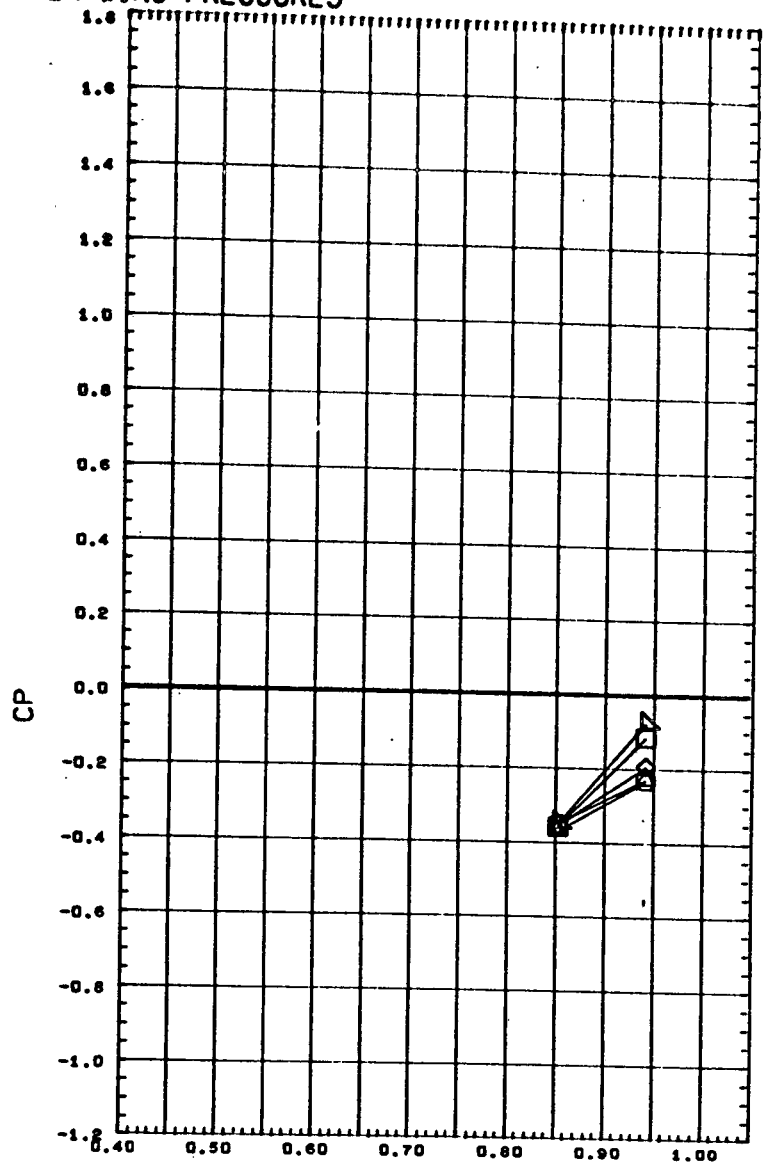
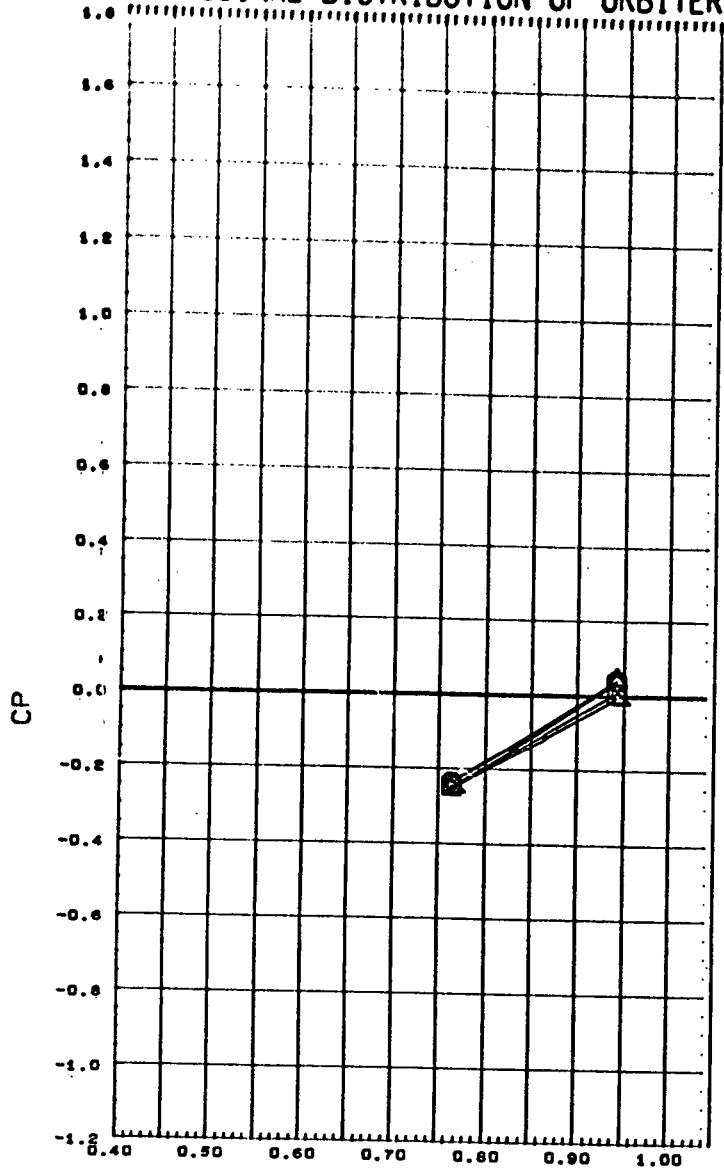


SYMBOL	BETA	Y/B	M1
○	4.154	0.230	1.100
△	2.119	0.399	
◇	0.035		
□	2.286		
◇	4.304		

REFERENCE FILE

PARAMETRIC VALUES			
ALFB	-	6.000	0.000
I		0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

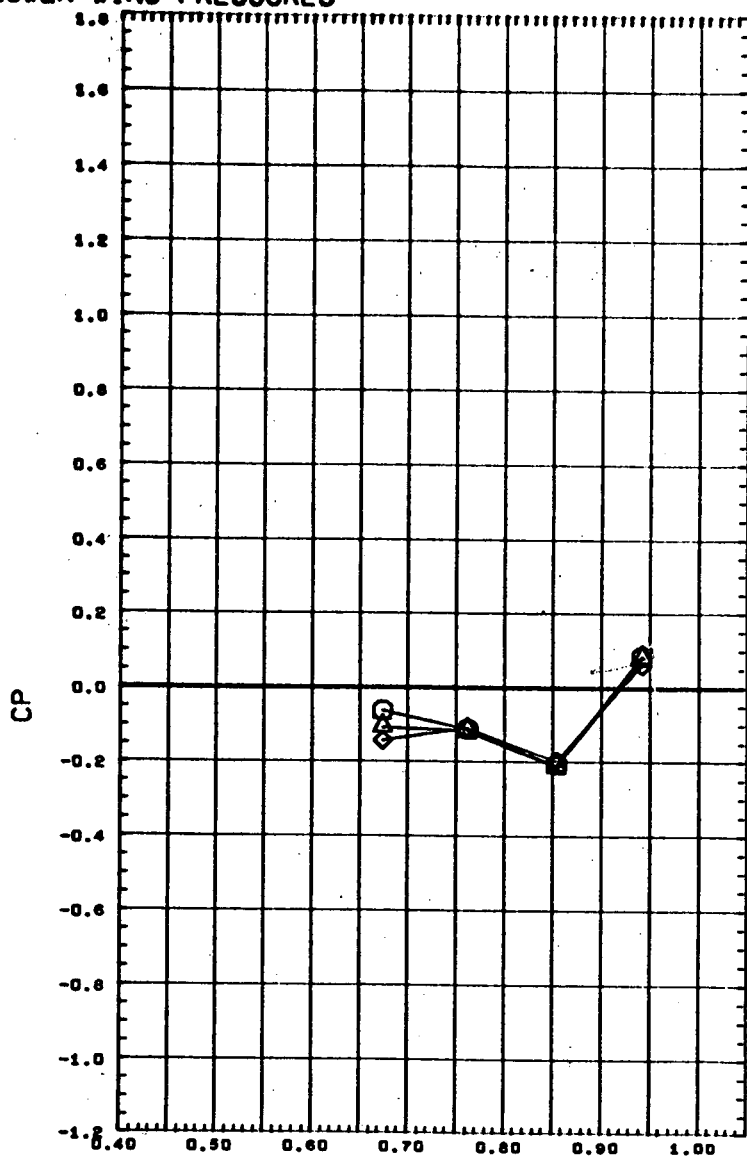
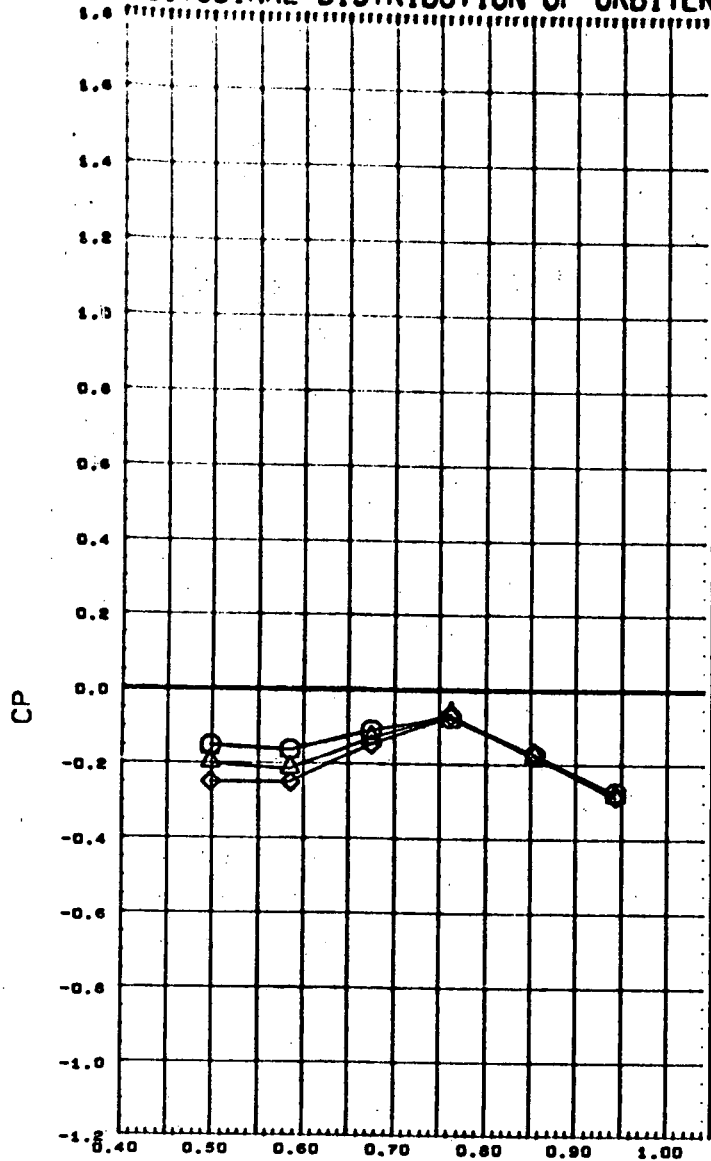


SYMBOL	BETA	Y/B	M1
○	4.154	0.568	1.100
△	2.119	0.738	
◇	0.035		
□	2.286		
▽	4.304		

REFERENCE FILE

PARAMETRIC VALUES		
ALPB	6.000	DX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

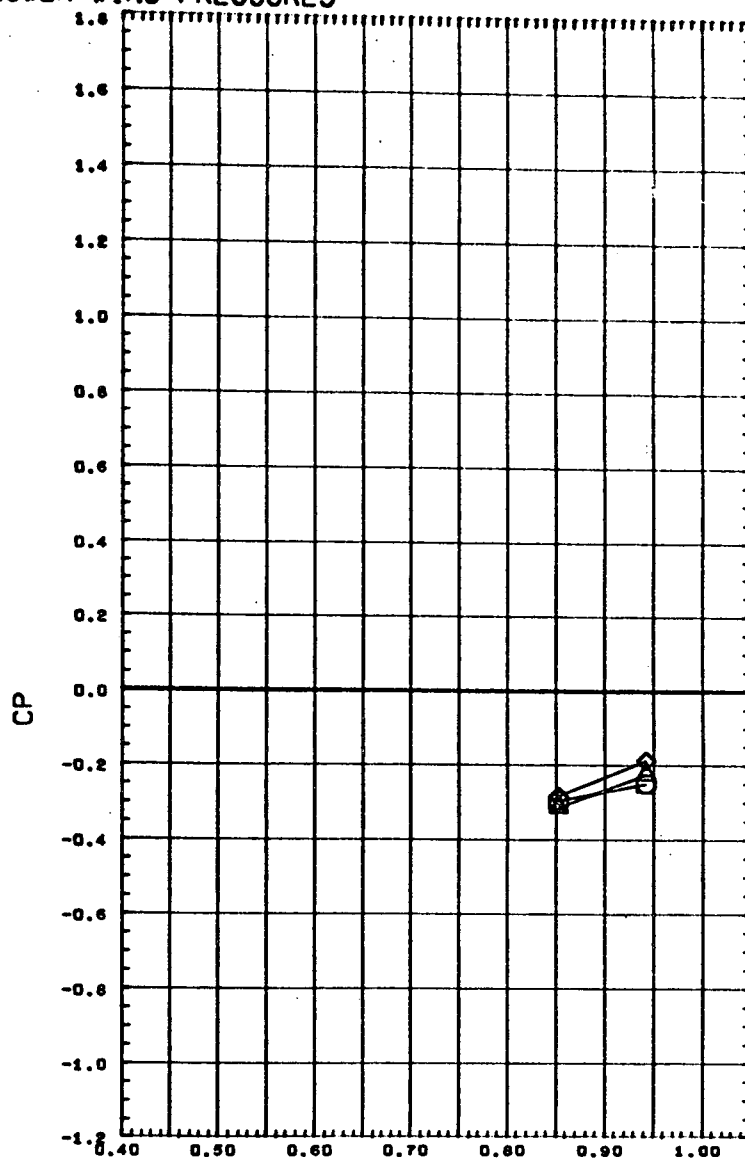
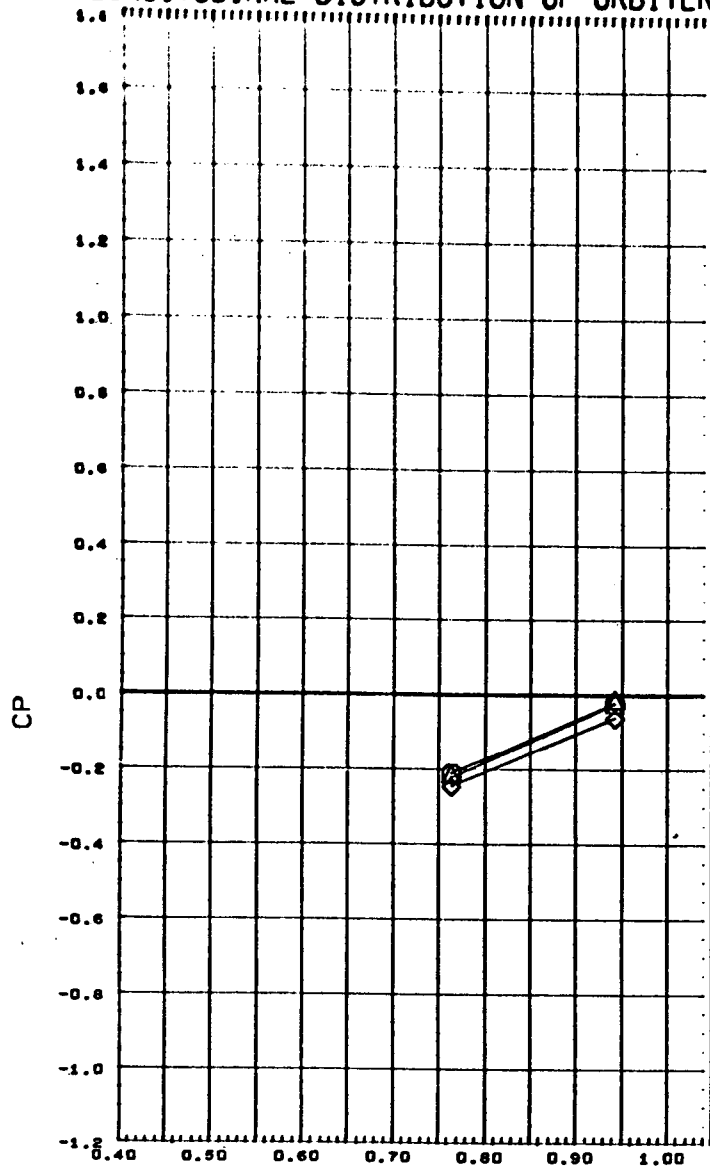


SYMBOL	BETA	Y/B	M1
○	4.187	0.230	1.201
△	0.069	0.399	
◇	4.363		

PARAMETRIC VALUES		
ALFB	- 6.000	DX/L 0.000
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

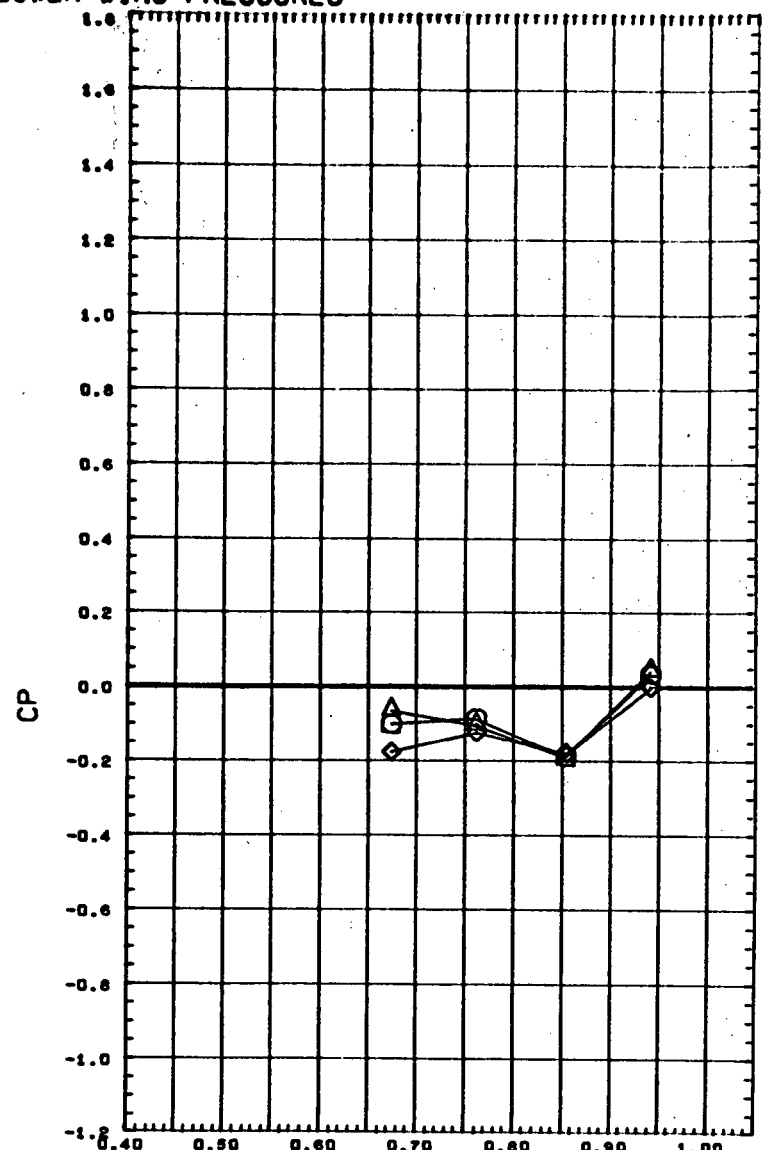
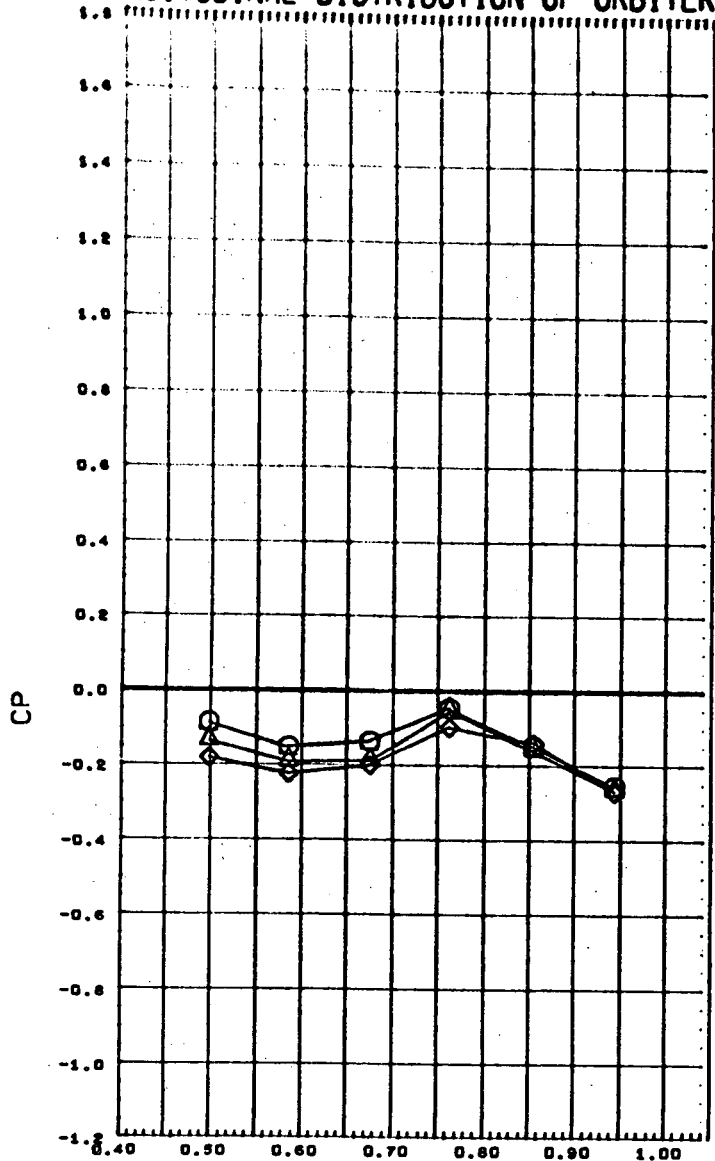


X/L			
SYMBOL	BETA	Y/B	M1
○	4.187	0.568	1.201
△	0.069	0.738	
◇	4.363		

X/L		
PARAMETRIC VALUES		
ALFB	6.000	0.000
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

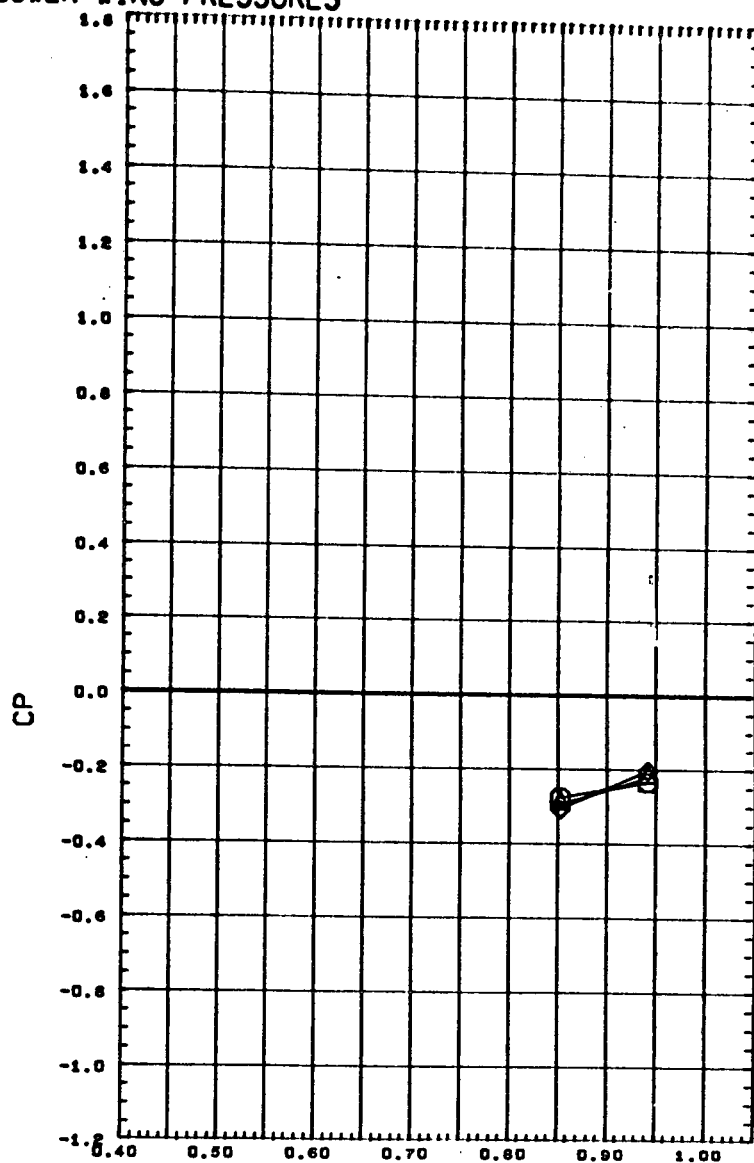
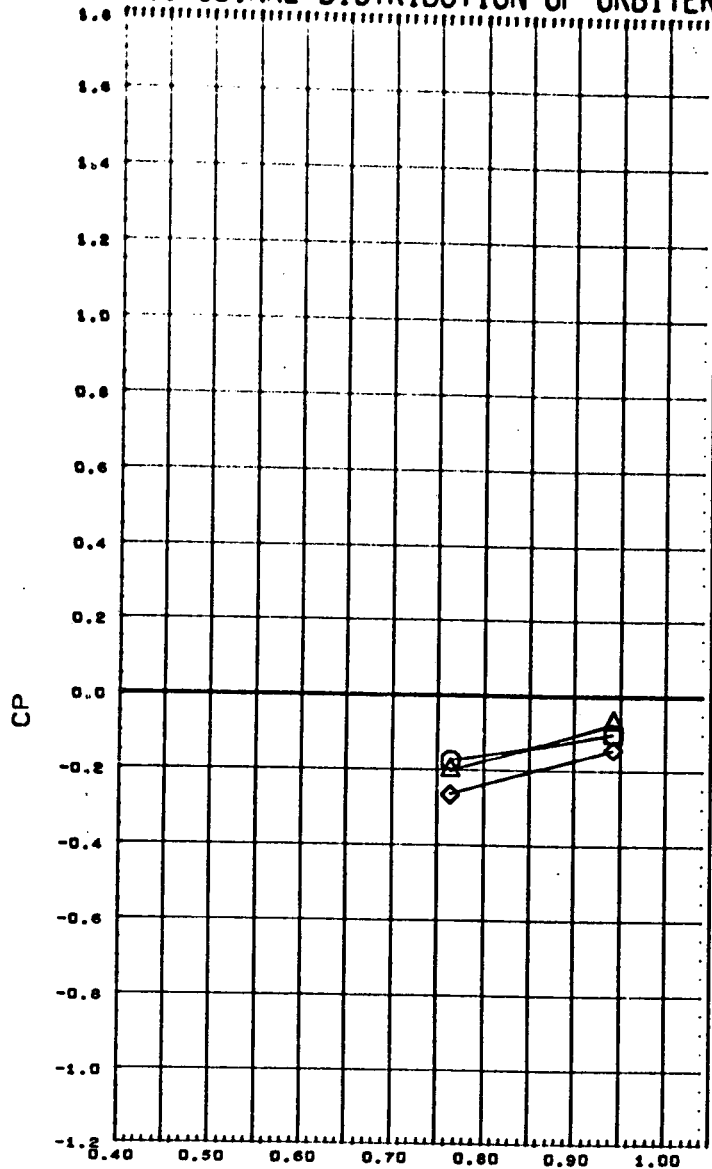


X/L			
SYMBOL	BETA	Y/B	M1
○	4.197	0.230	1.300
△	0.065	0.399	
◇	4.355		

X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	OX/L	0.000
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.197	0.568	1.300
△	0.065	0.738	
◇	4.355		

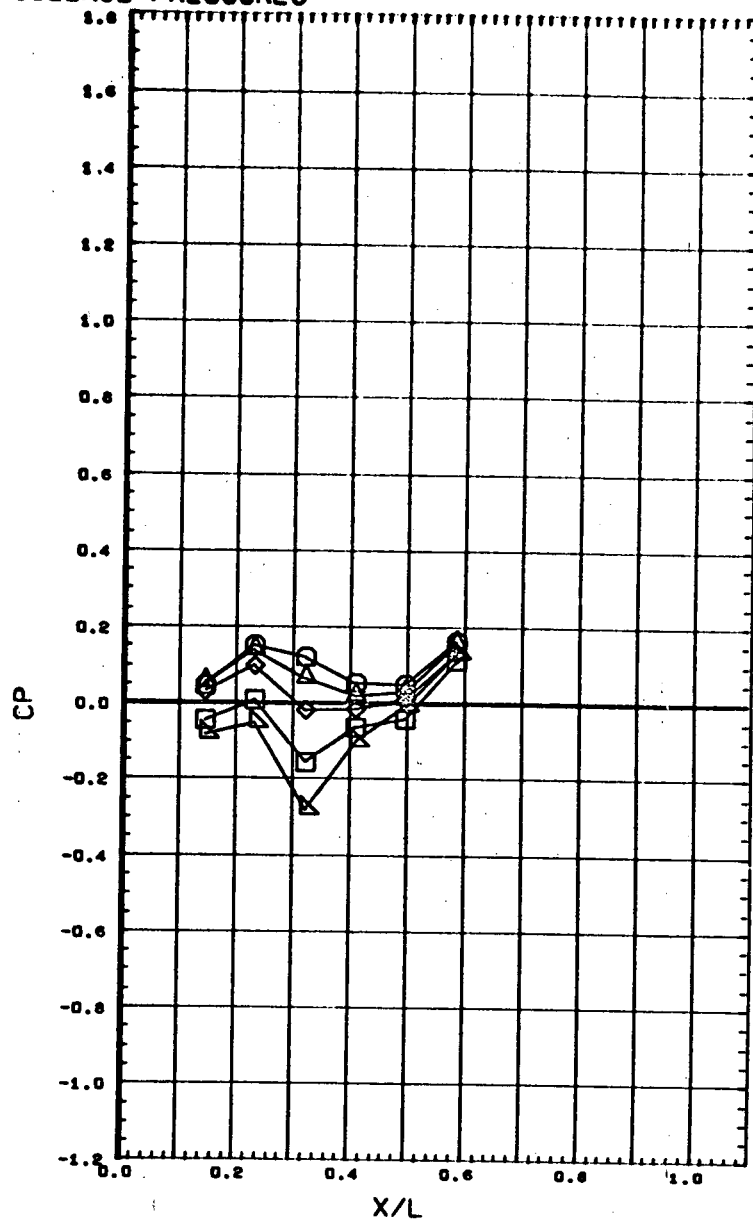
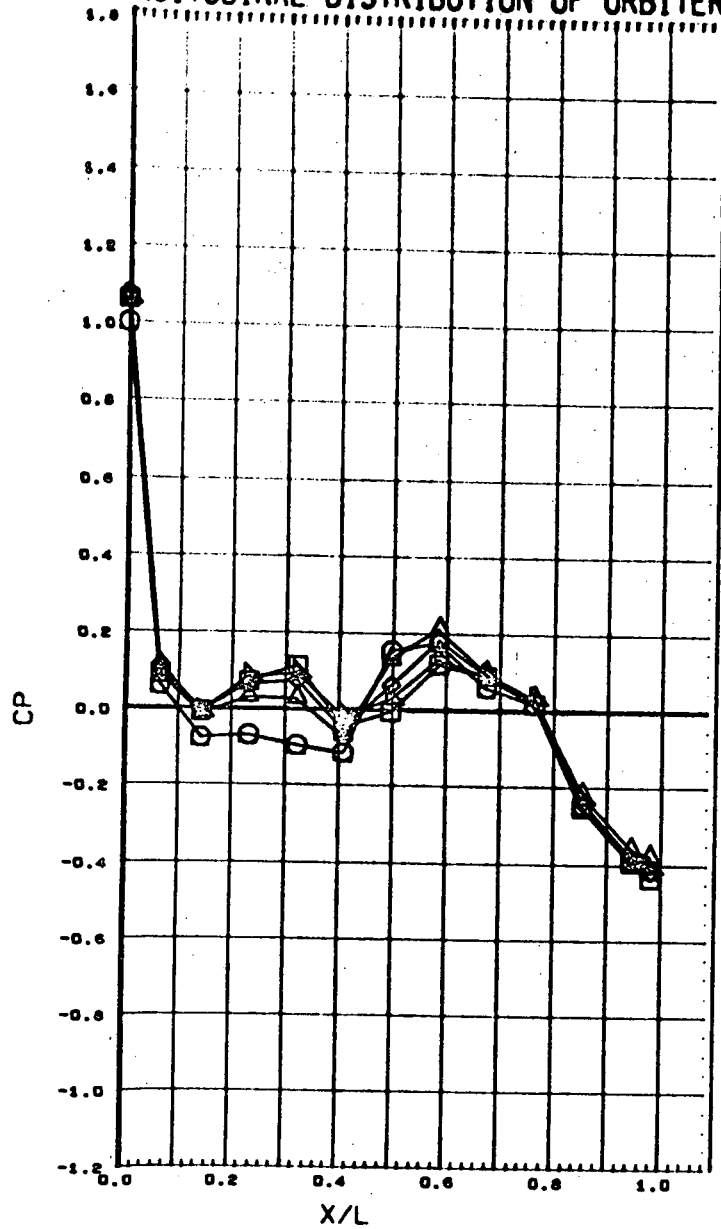
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I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC003)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

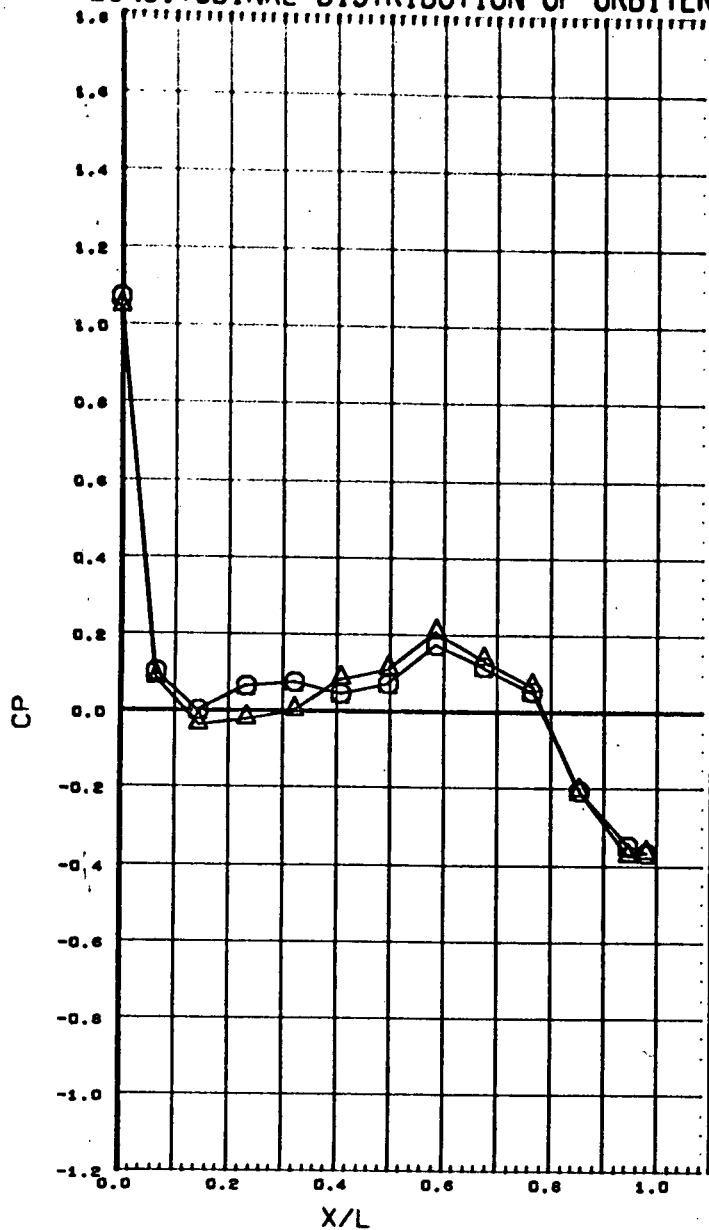


SYMBOL	BETA	Y/B	M1
○	- 6.197	0.000	0.598
△	- 3.945	0.076	
◇	- 2.127		
□	- 0.034		
▽	- 1.761		

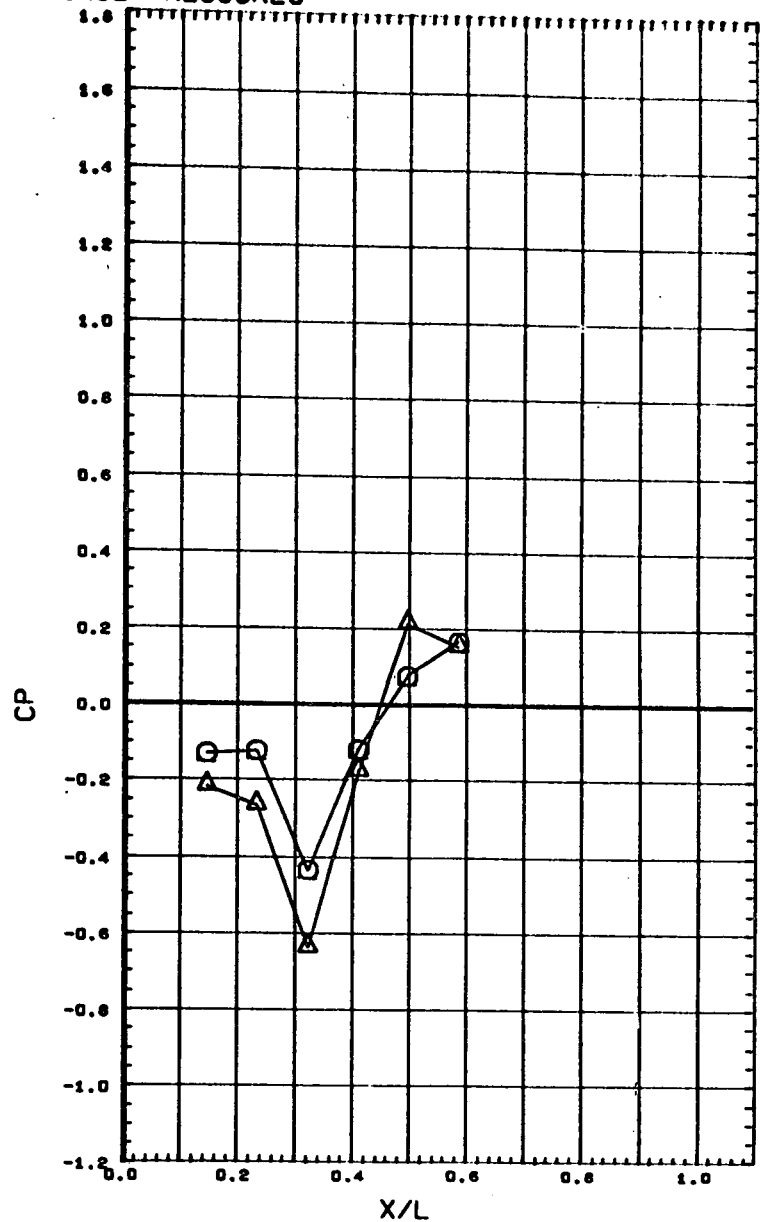
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ALFB	PARAMETRIC VALUES	DX/L	
I	6.000	0.000	
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



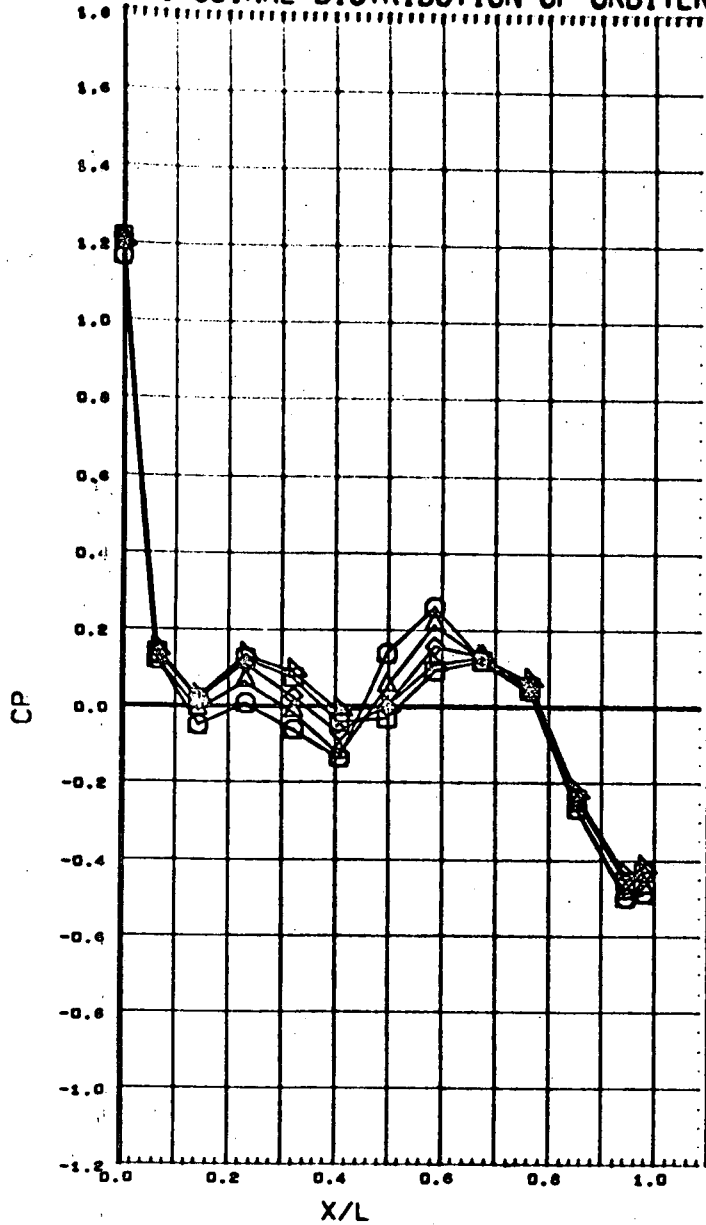
SYMBOL	BETA	Y/B	M1
○	3.766	0.000	0.598
△	6.056	0.076	



PARAMETRIC VALUES		
ALPB	6.000	OX/L
I	0.000	0.000

REFERENCE FILE

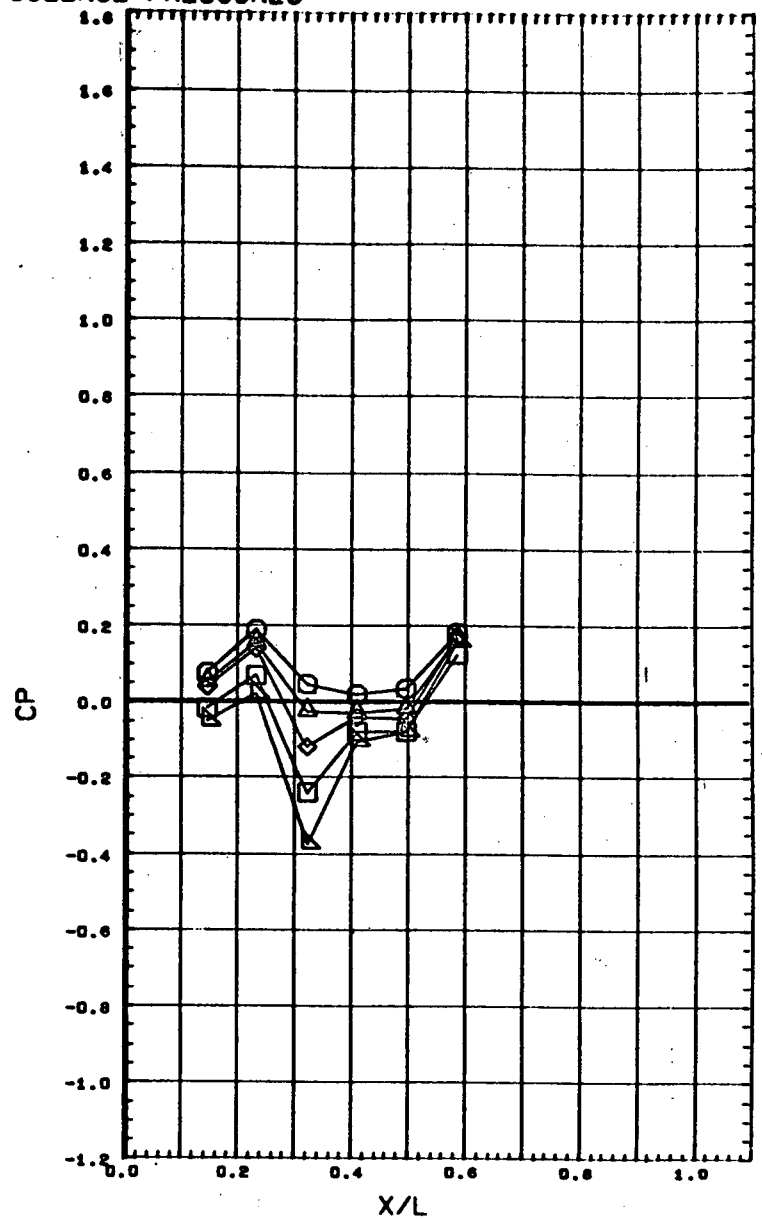
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	- 5.928	0.000	0.903
△	- 4.036	0.076	
◇	- 2.074		
□	- 0.007		
■	1.849		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

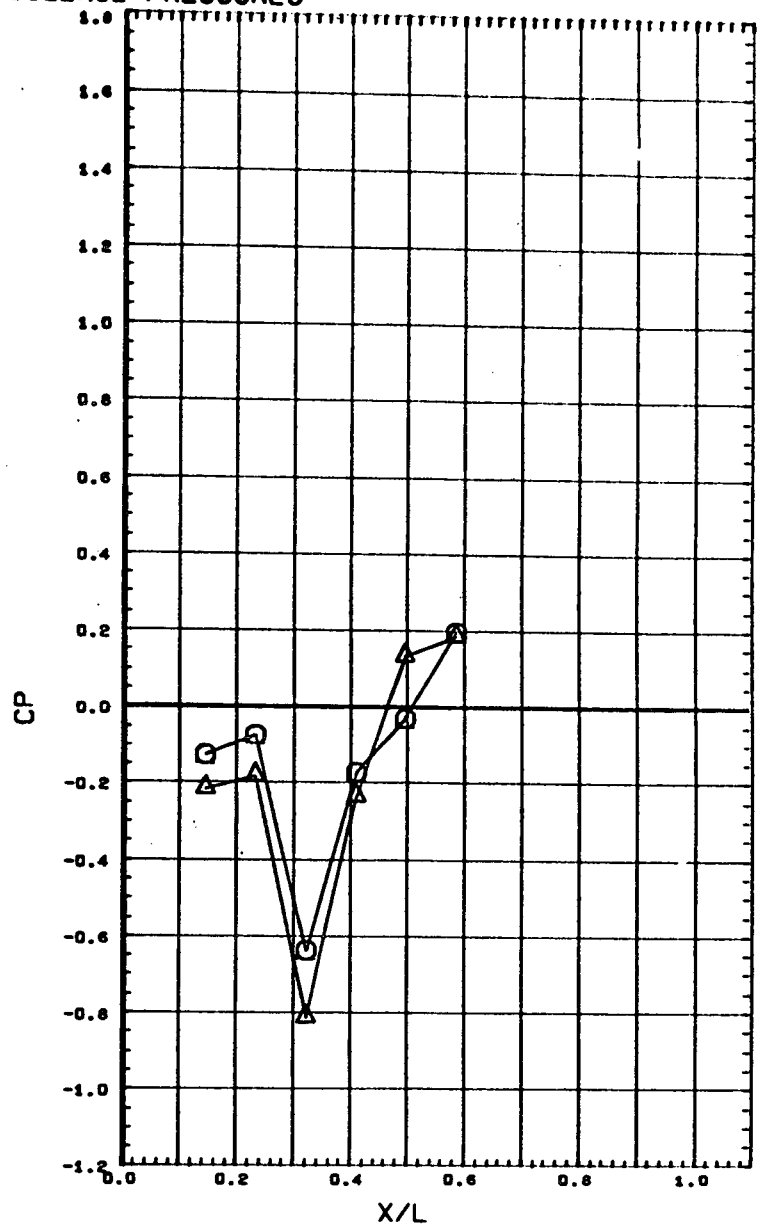
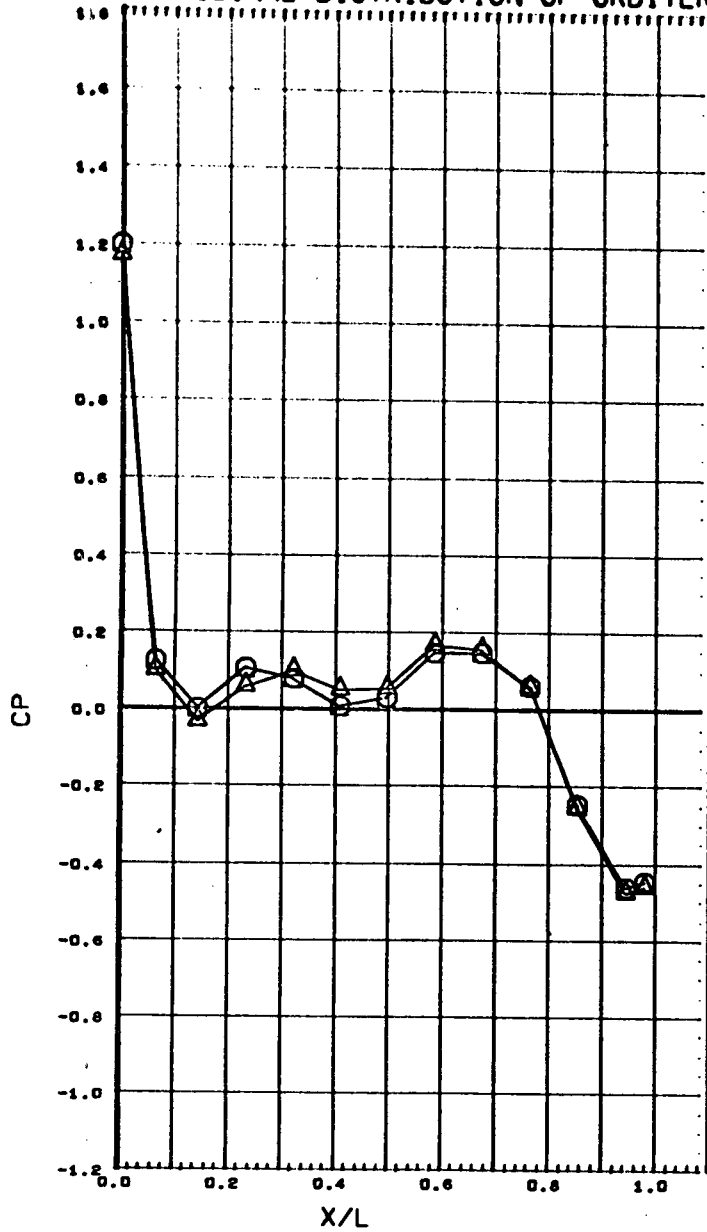


PARAMETRIC VALUES		
ALFB	6.000	OX/L 0.000
I	0.000	

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.870	0.000	0.903
△	5.976	0.076	

PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.000

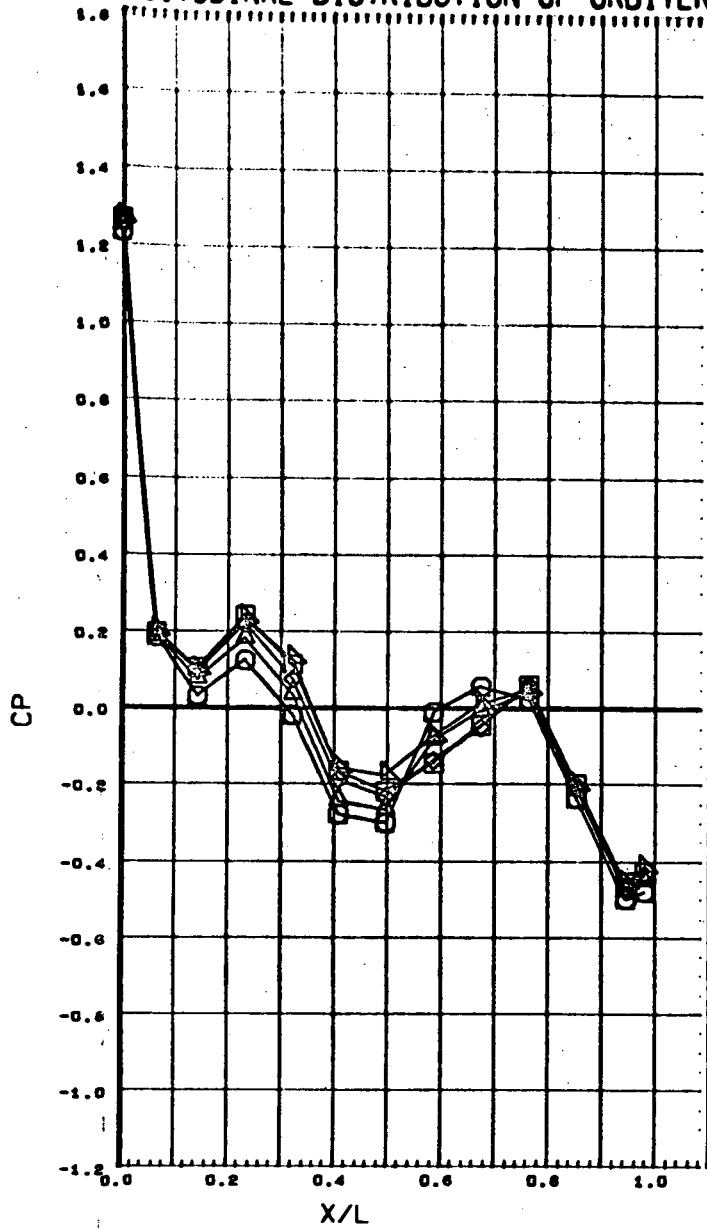
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC004)

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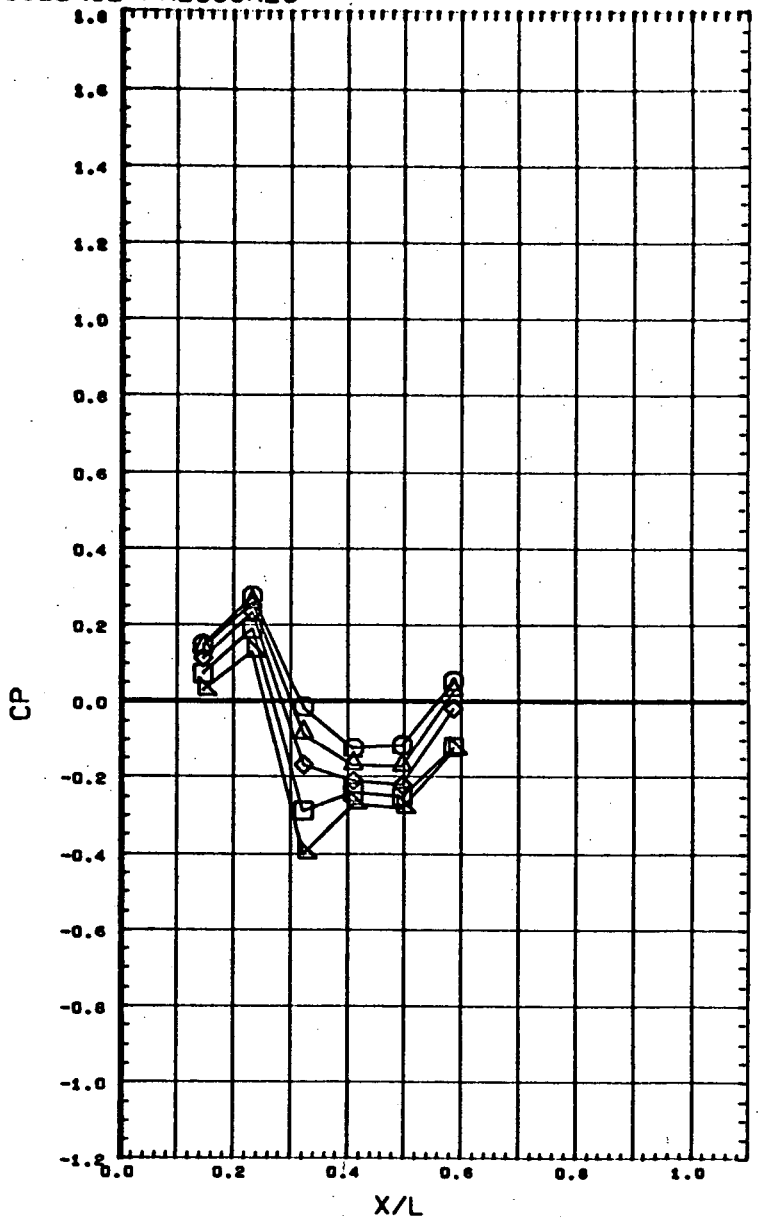
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	5.831	0.000	1.001
△	3.916	0.076	
◇	2.062		
□	0.023		
▽	1.843		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

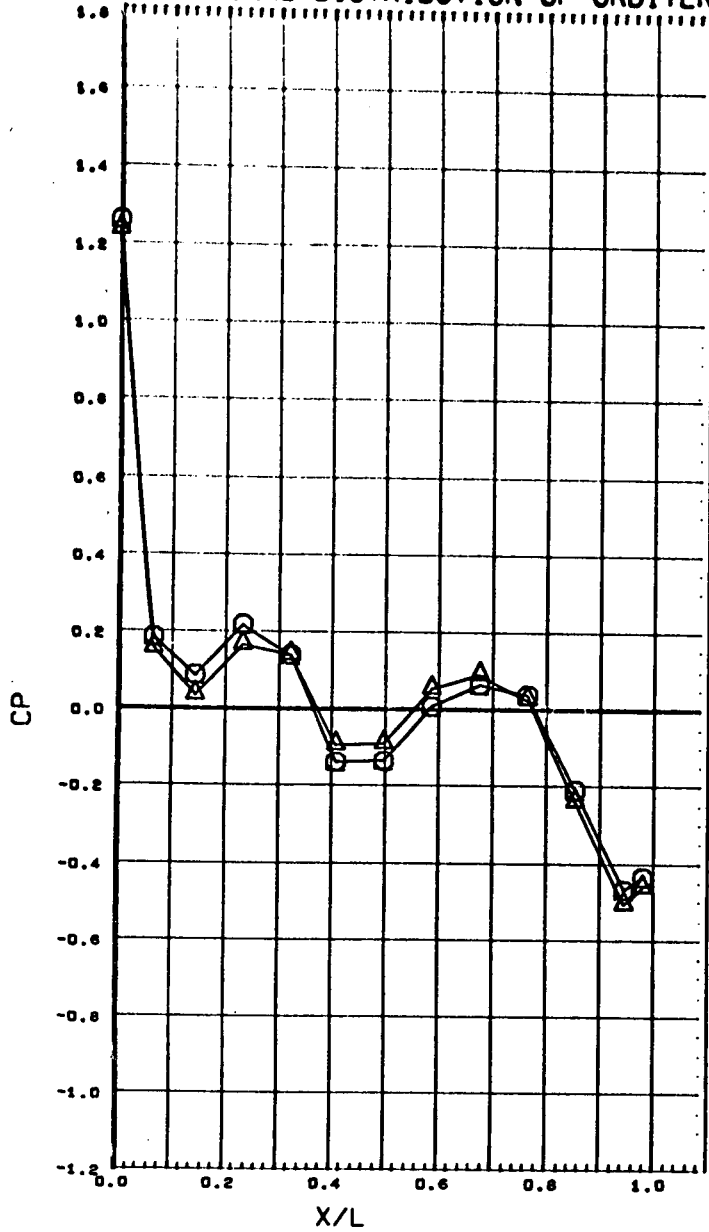


ALFB	PARAMETRIC VALUES	DX/L
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1	0.000	

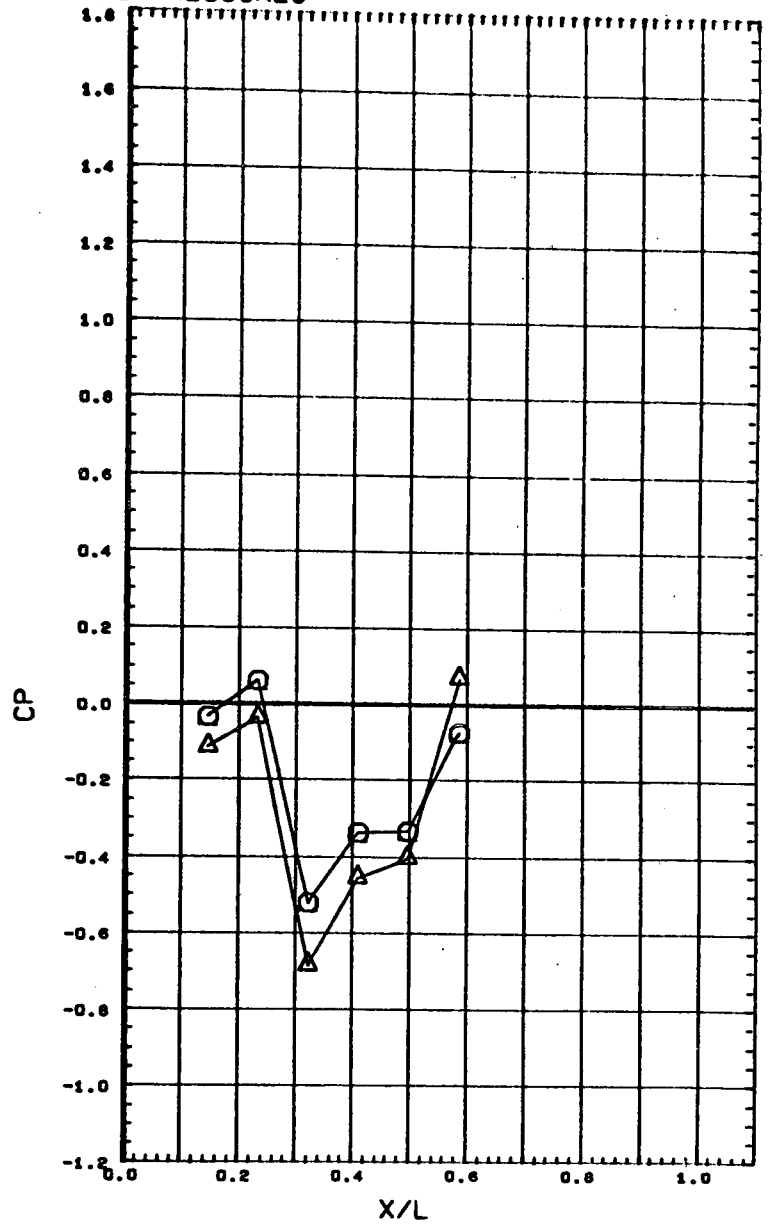
(FTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



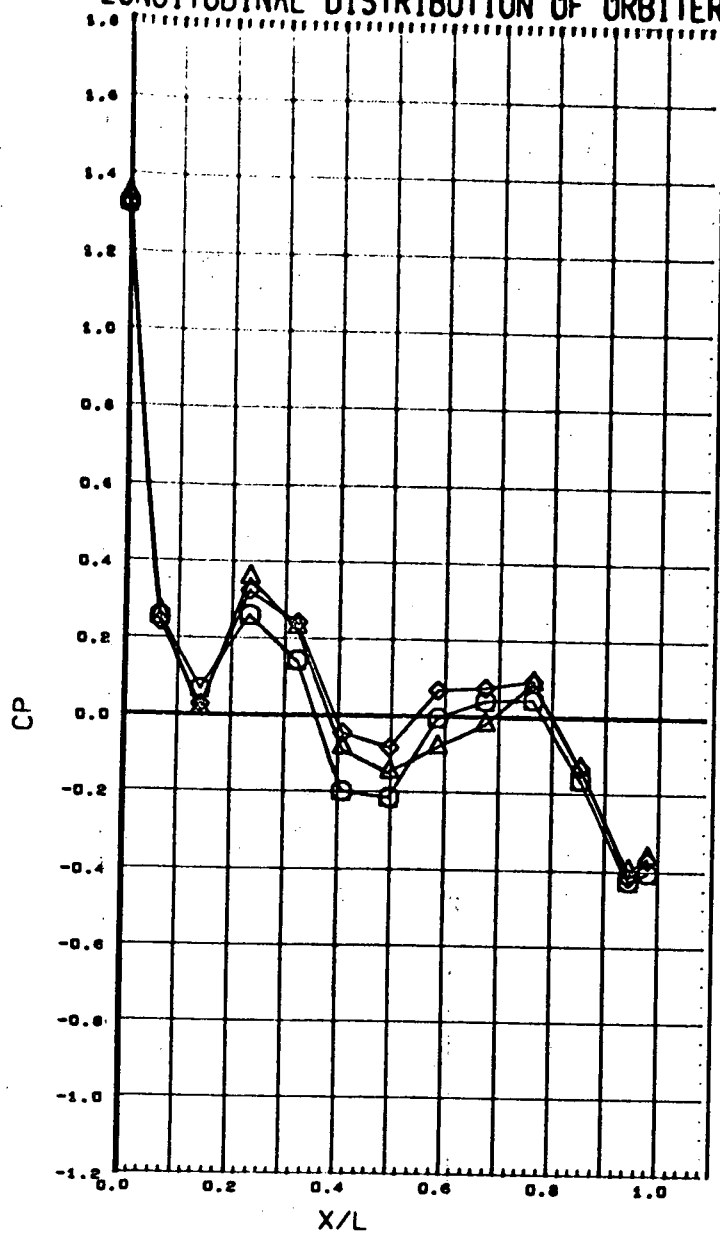
SYMBOL	BETA	Y/B	M1
○	3.879	0.000	1.001
△	5.995	0.076	



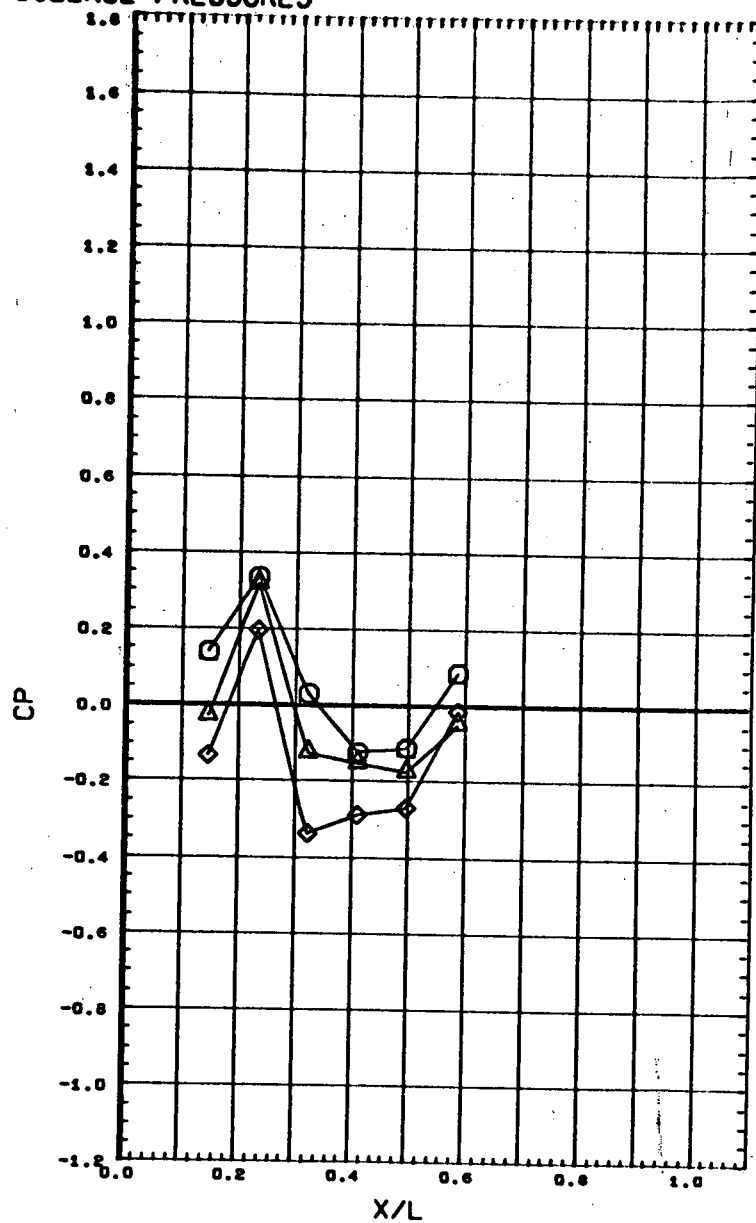
ALFB	PARAMETRIC VALUES	DX/L
1	6.000	0.000
	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	- 3.704	0.000	1.100
△	- 0.004	0.076	
◇	3.758		



PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

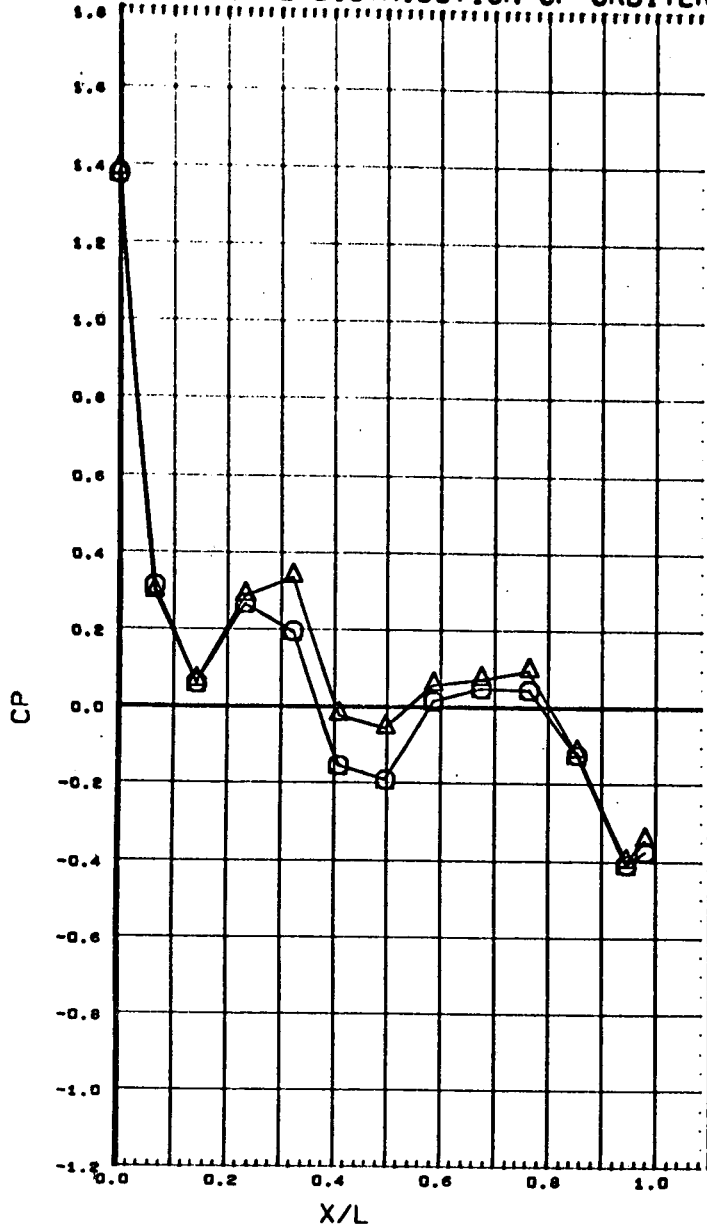
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

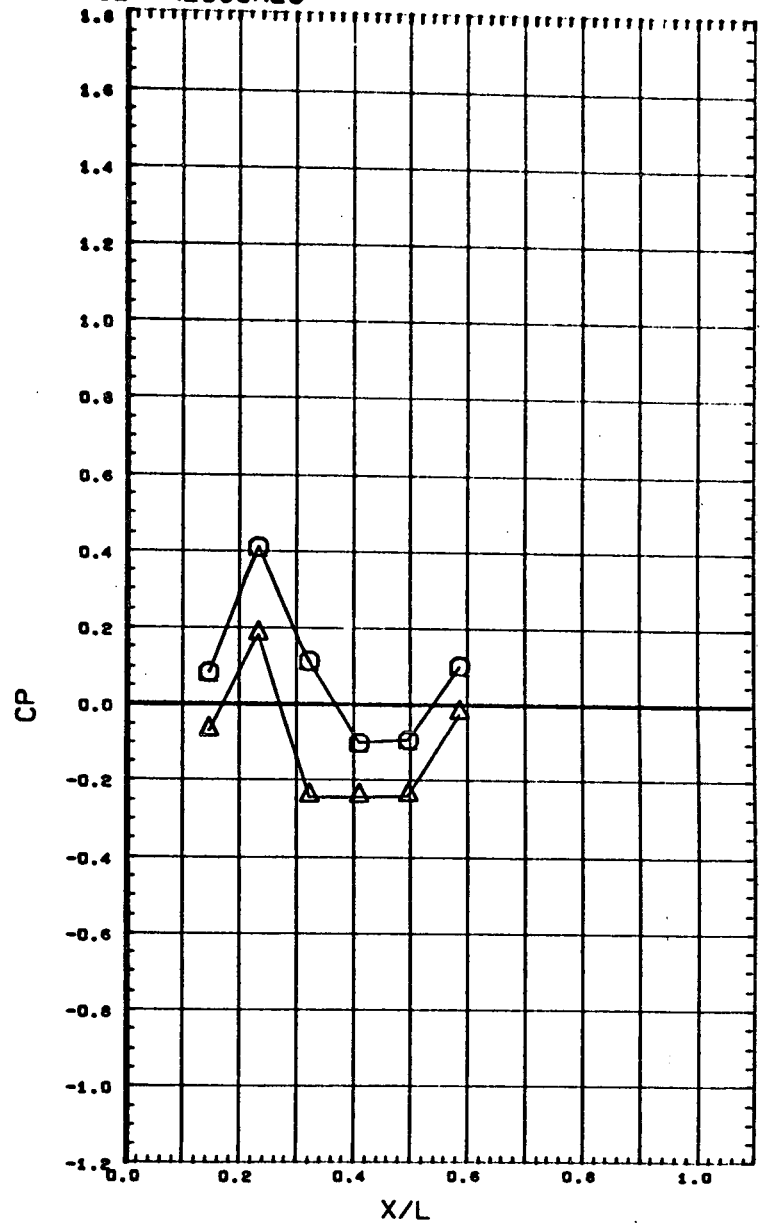
(FTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.879	0.000	1.202
△	3.779	0.076	



PARAMETRIC VALUES		
ALFB	6.000	OX/L
1	0.000	0.000

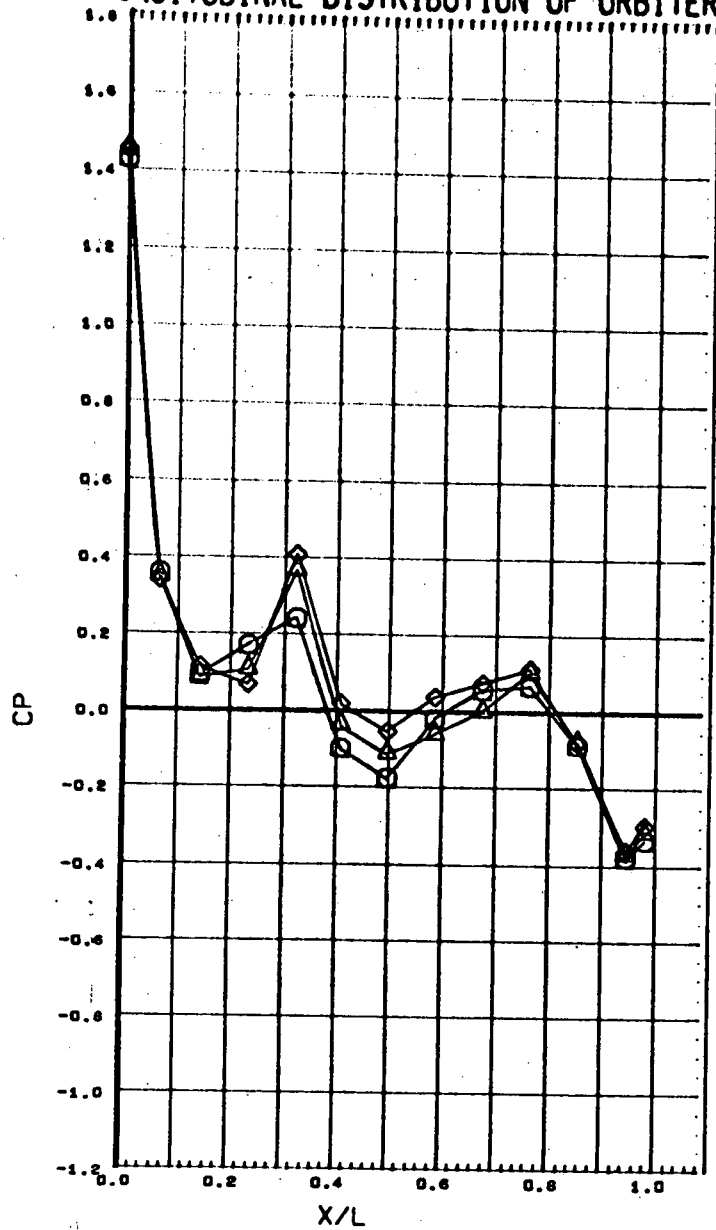
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

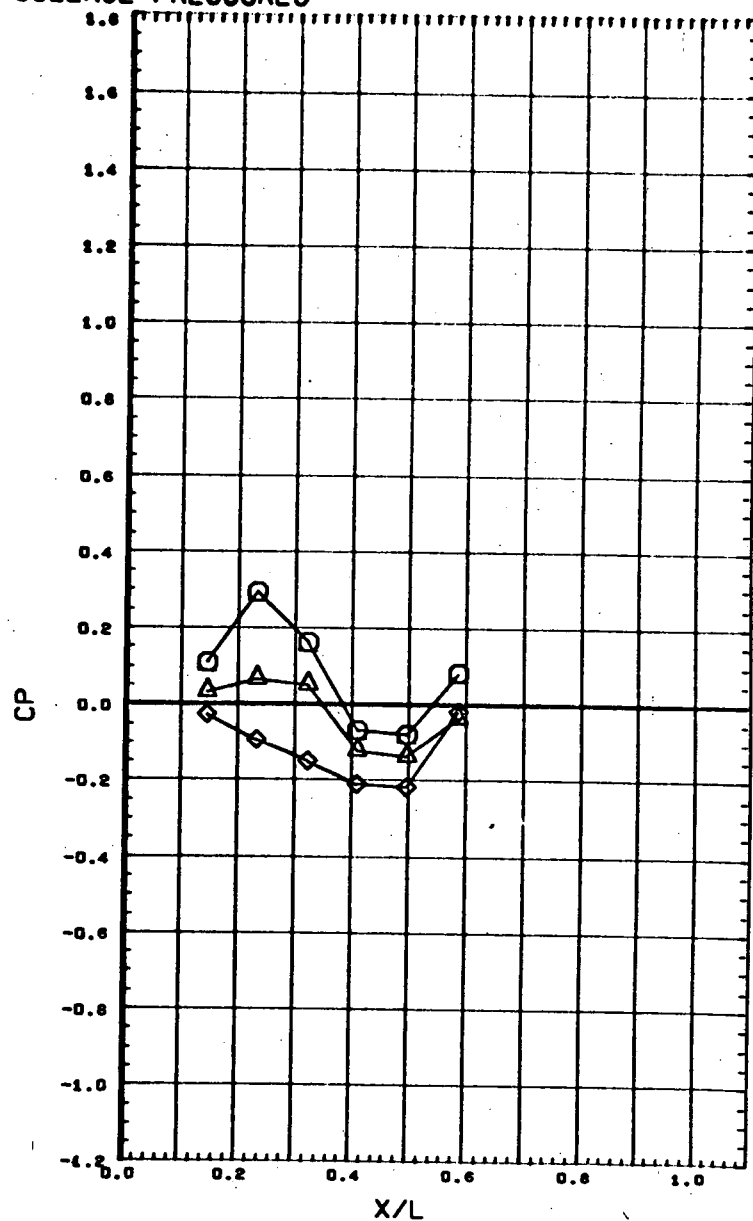
(FTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.842	0.000	1.298
△	0.036	0.076	
◇	3.887		



PARAMETRIC VALUES		
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I	0.000	0.000

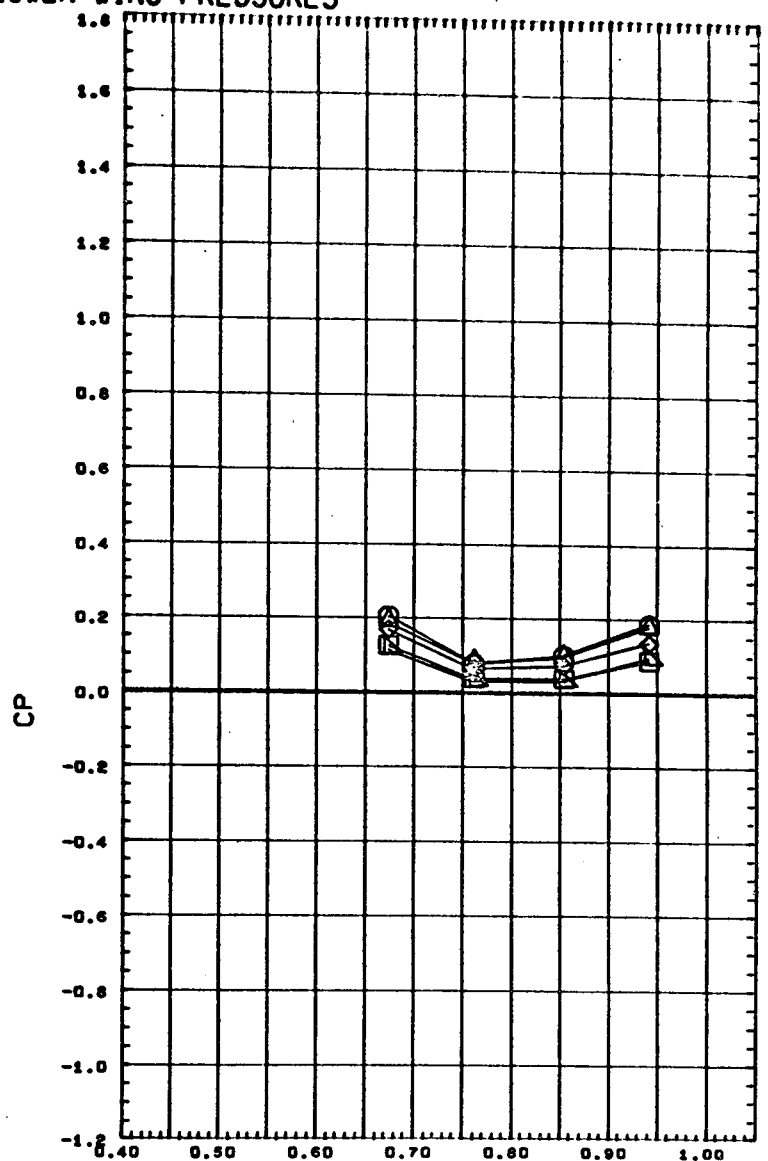
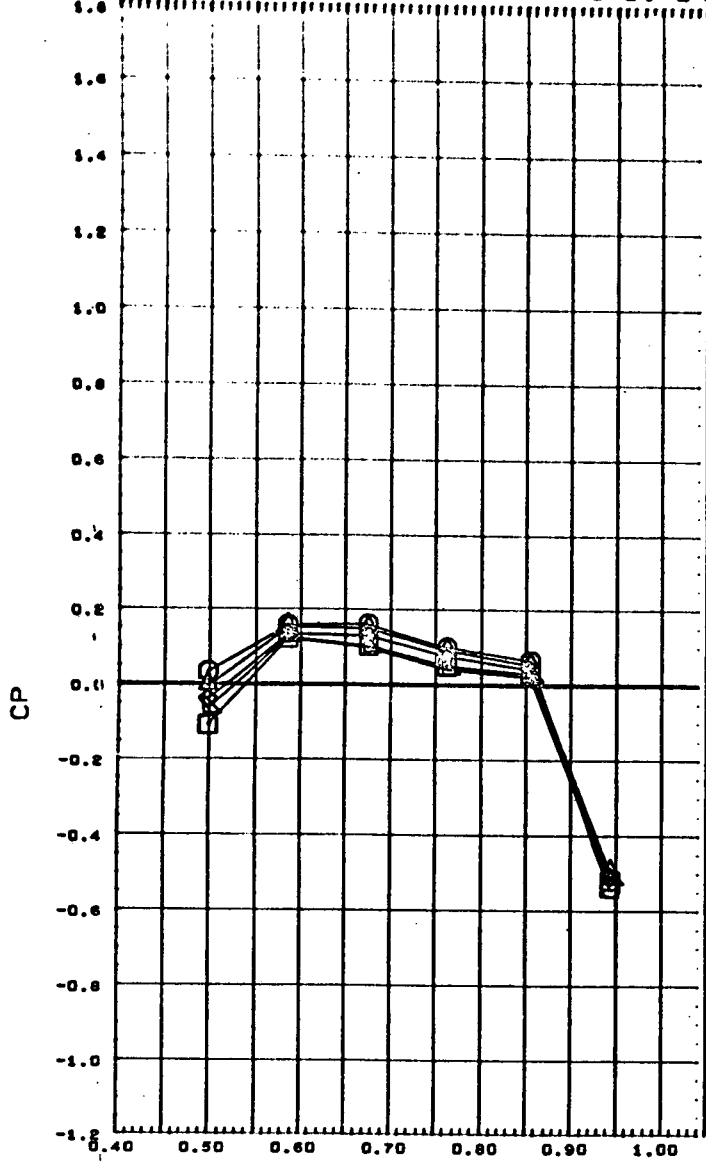
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

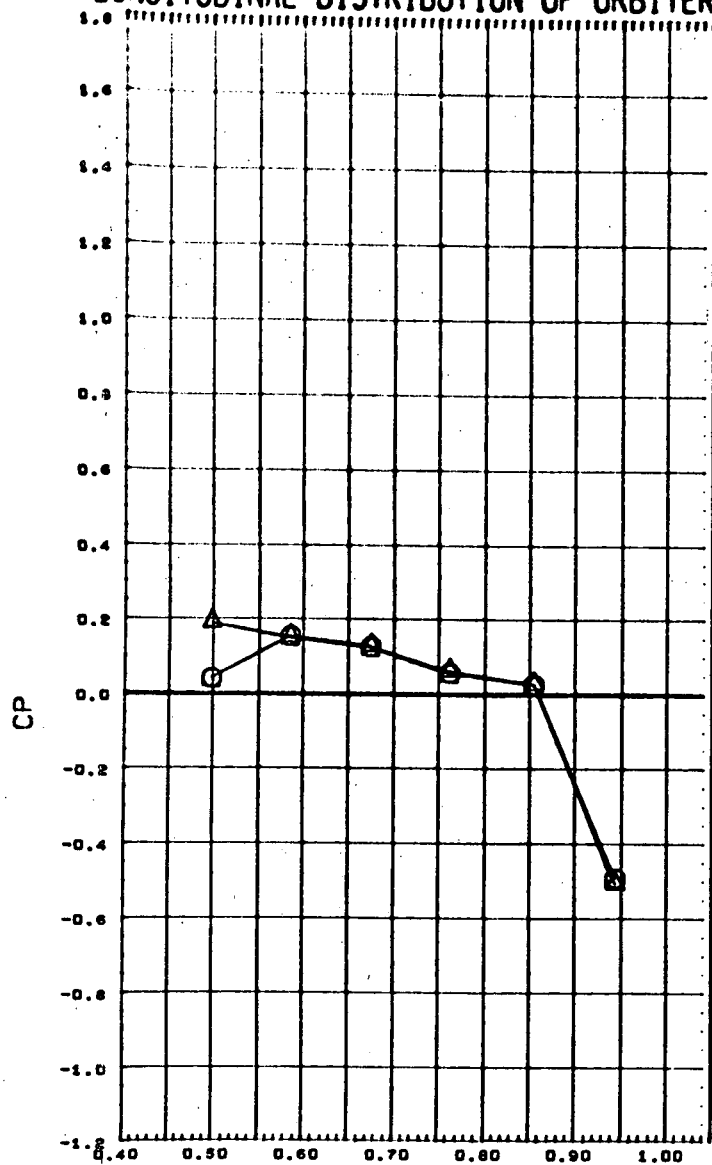


SYMBOL	BETA	Y/B	M1
○	6.197	0.230	0.598
△	3.945	0.399	
◇	2.127		
◻	0.034		
◼	1.761		

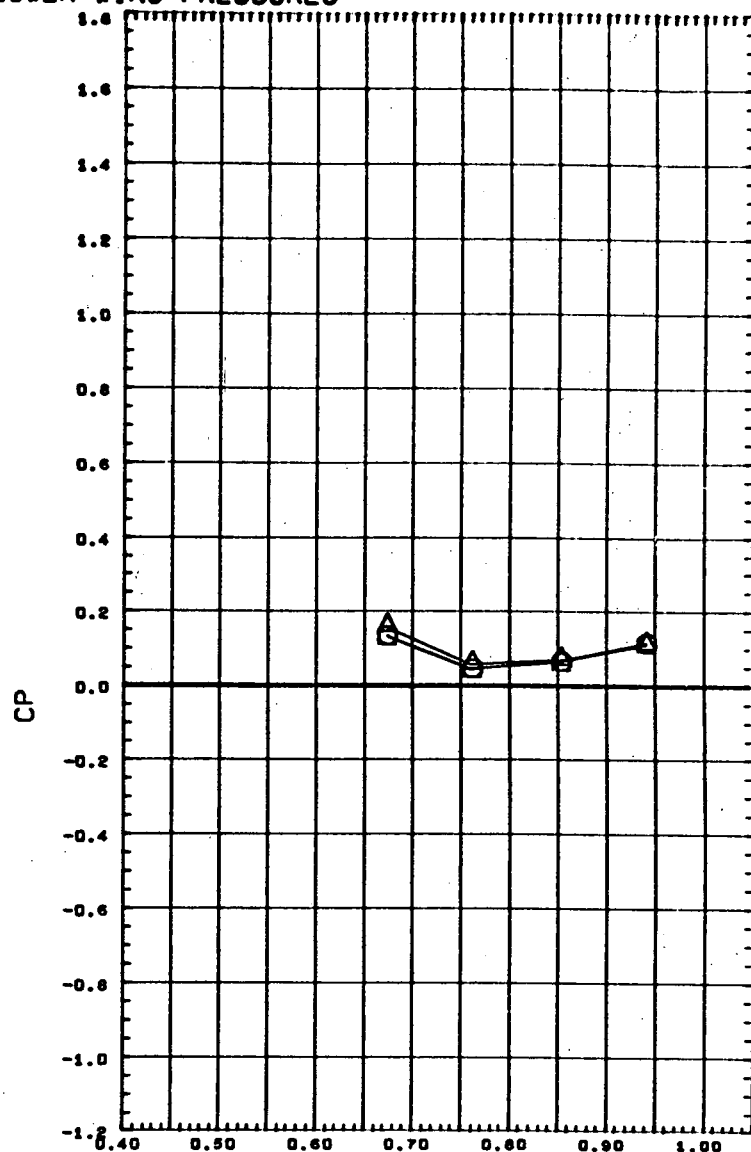
REFERENCE FILE

X/L	PARAMETRIC VALUES
ALFB	6.000
I	0.000
OX/L	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



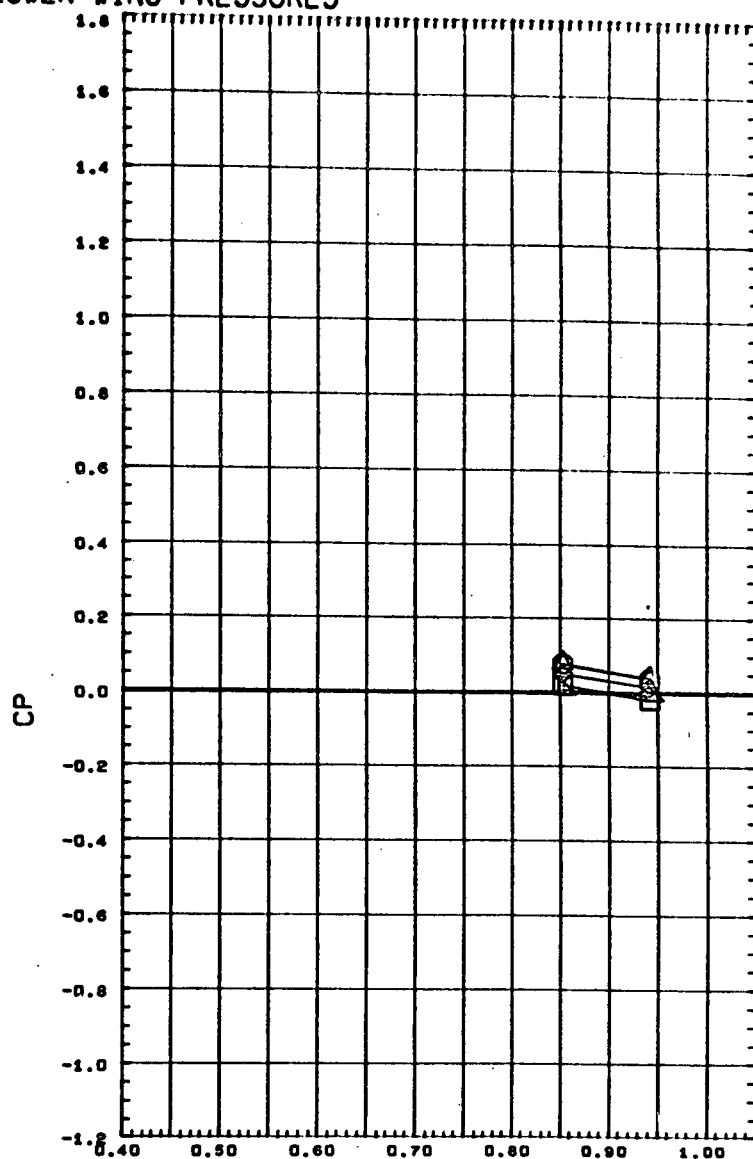
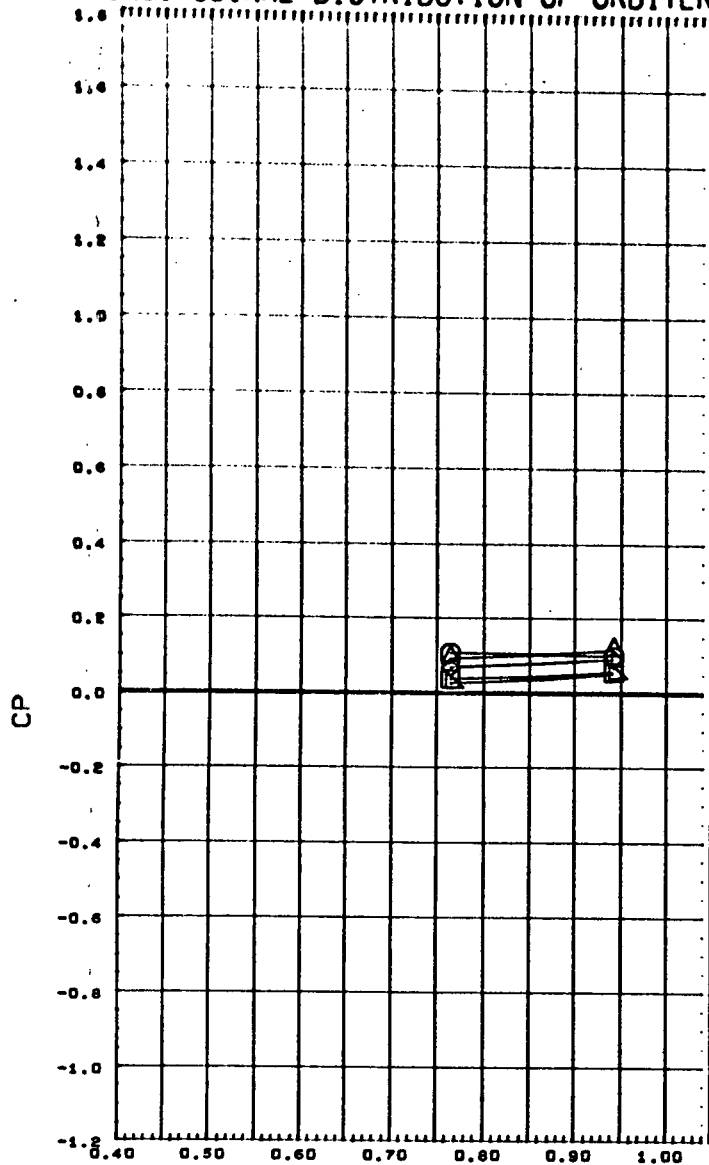
SYMBOL	BETA	Y/B	X/L
○	3.766	0.230	0.598
△	6.056	0.399	



ALFB	PARAMETRIC VALUES	OX/L
I	6.000	0.000
	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

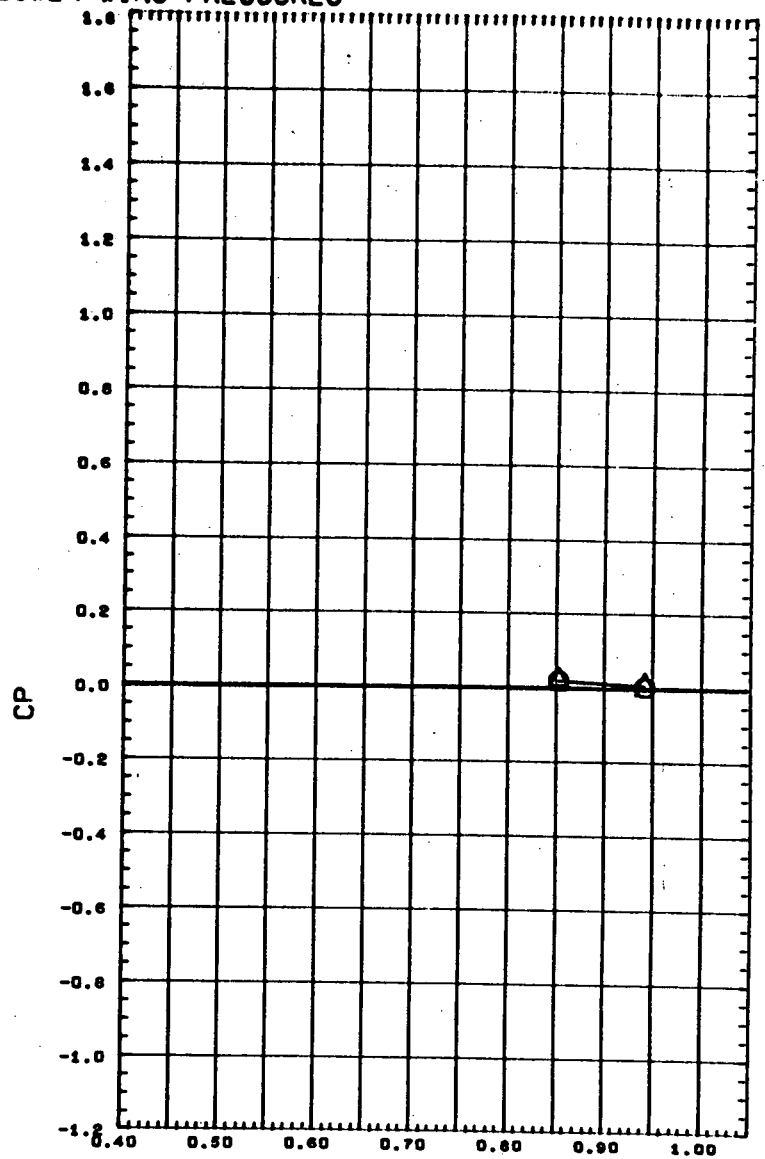
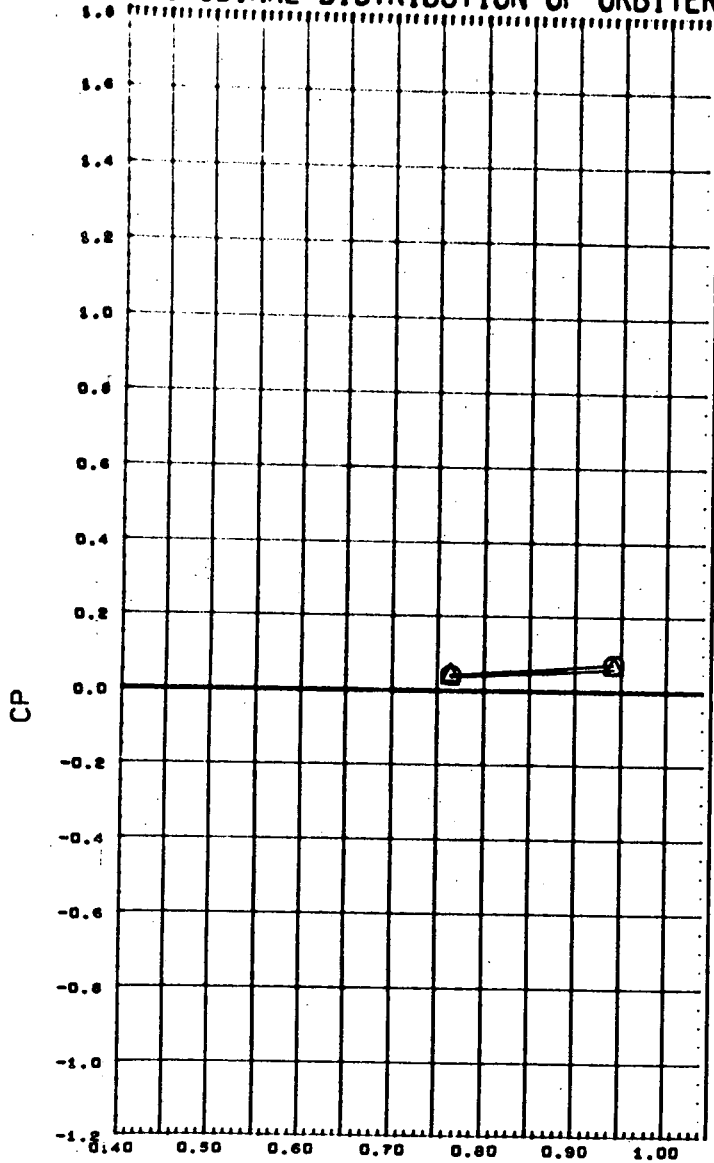


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.197	0.568	0.598
△	- 3.945	0.738	
◇	- 2.127		
□	- 0.034		
	1.761		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.766	0.568	0.598
△	6.056	0.738	

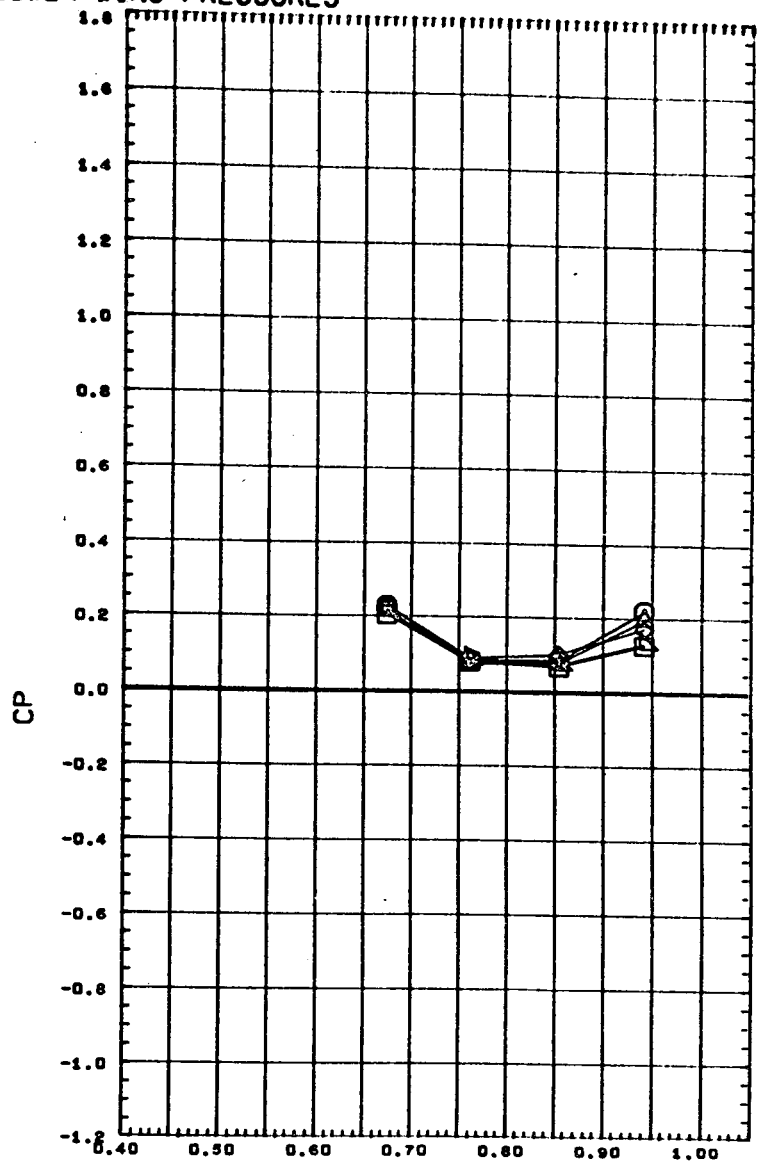
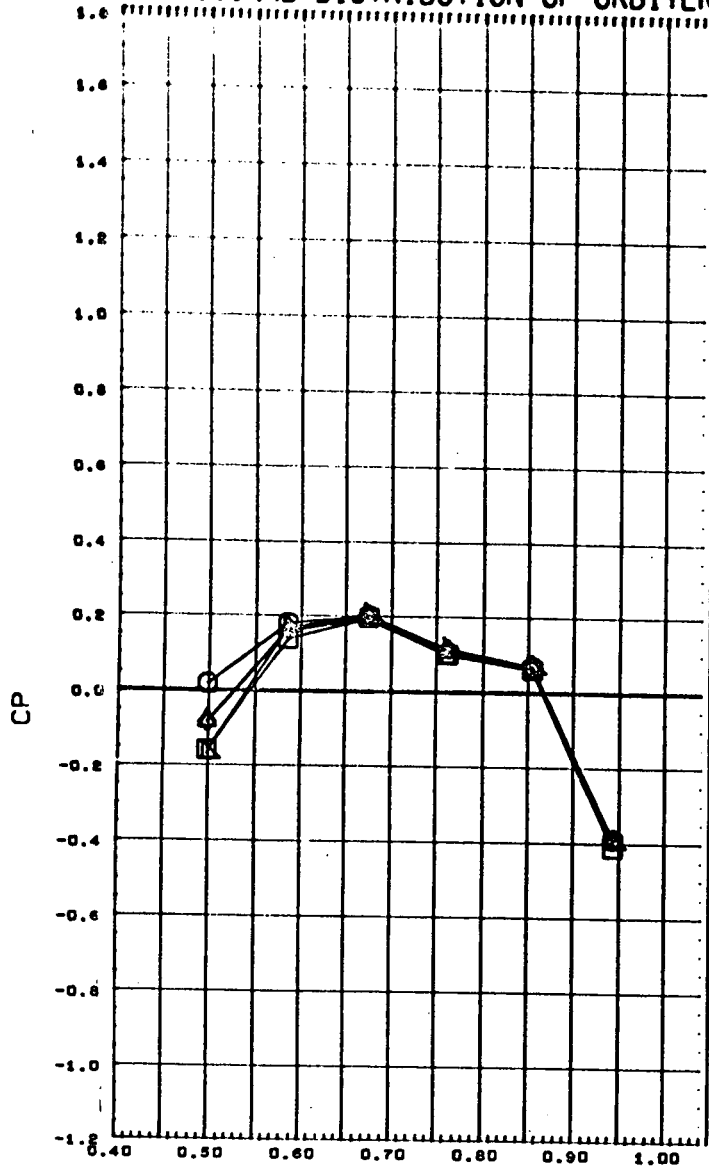
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I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

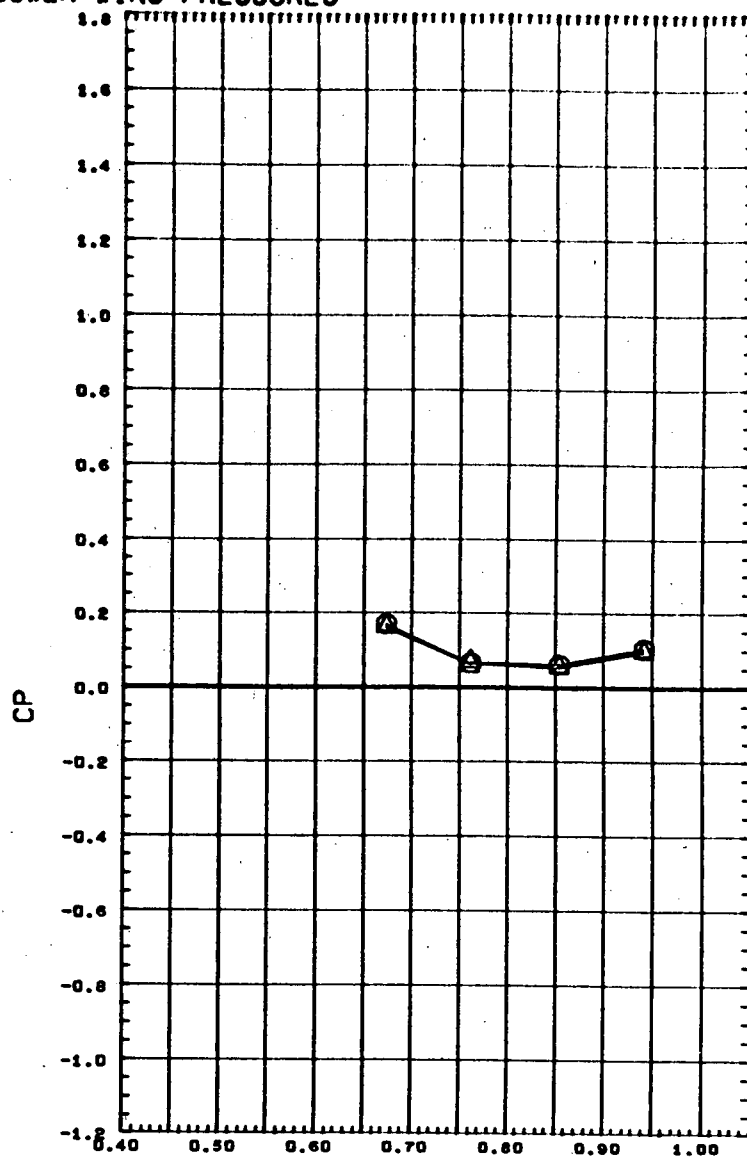
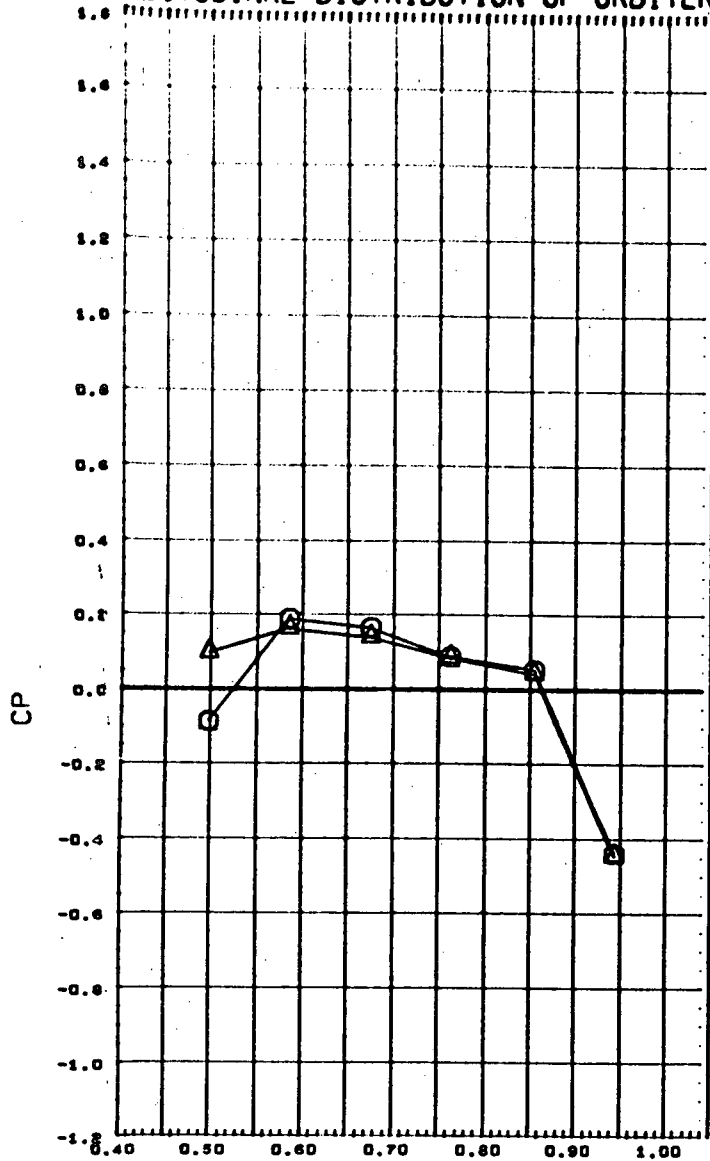


X/L			
SYMBOL	BETA	Y/B	M1
○	- 5.928	0.230	0.903
△	- 4.036	0.399	
◇	- 2.074		
□	- 0.007		
▽	1.849		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.870	0.230	0.903
△	5.976	0.399	

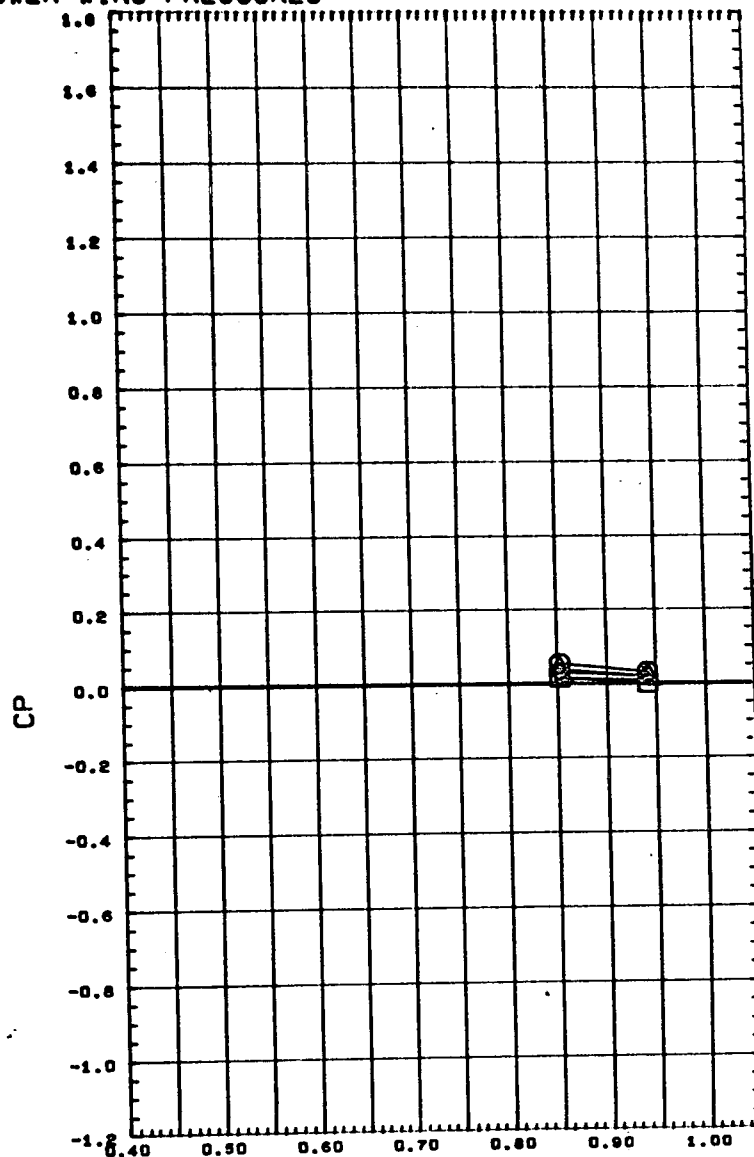
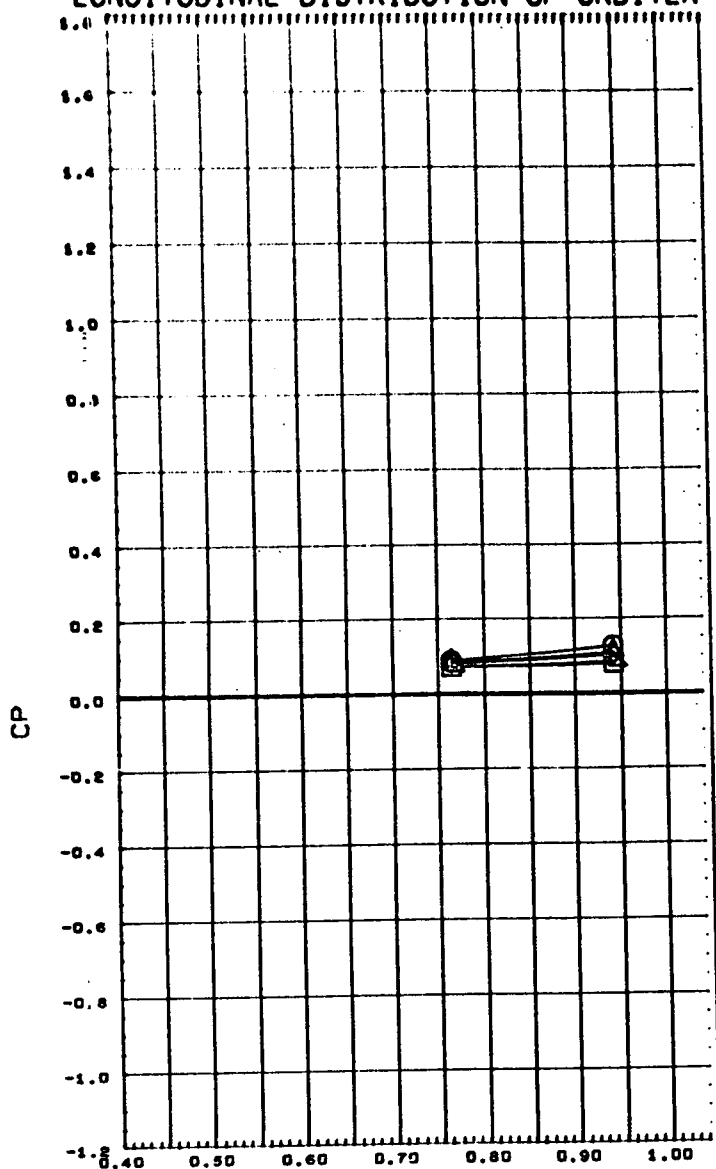
PARAMETRIC VALUES		
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1	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

PAGE 105

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

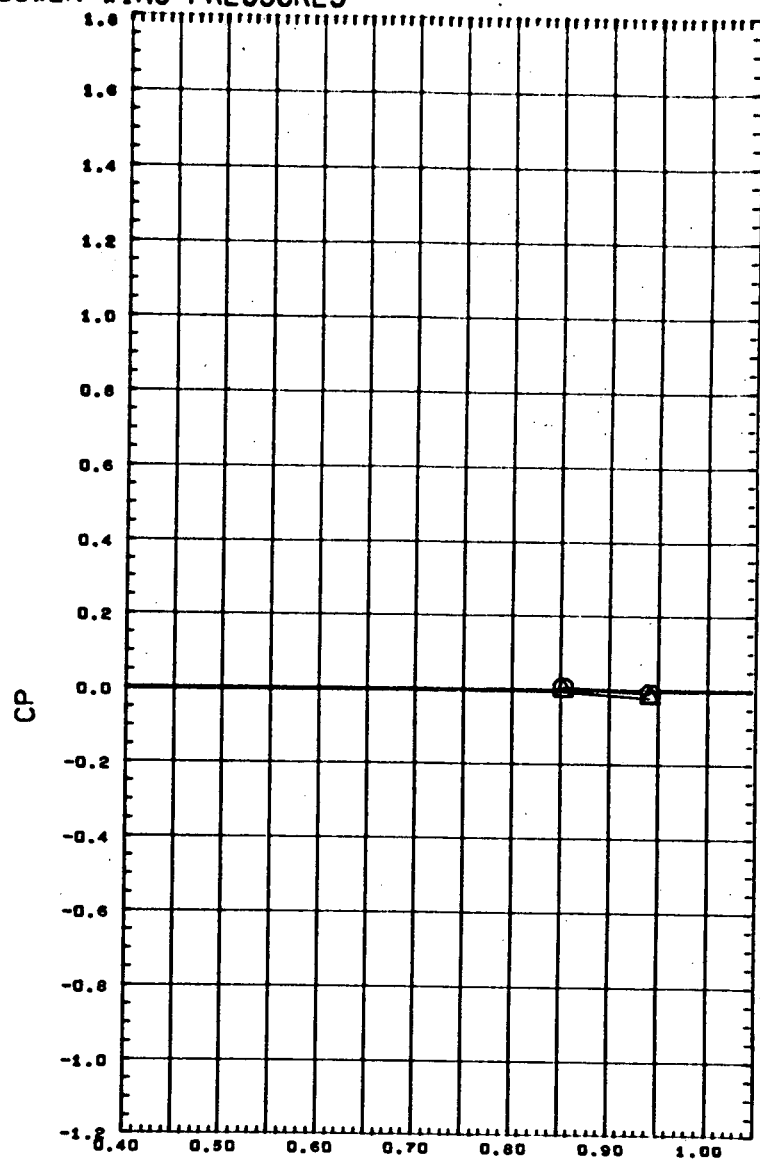
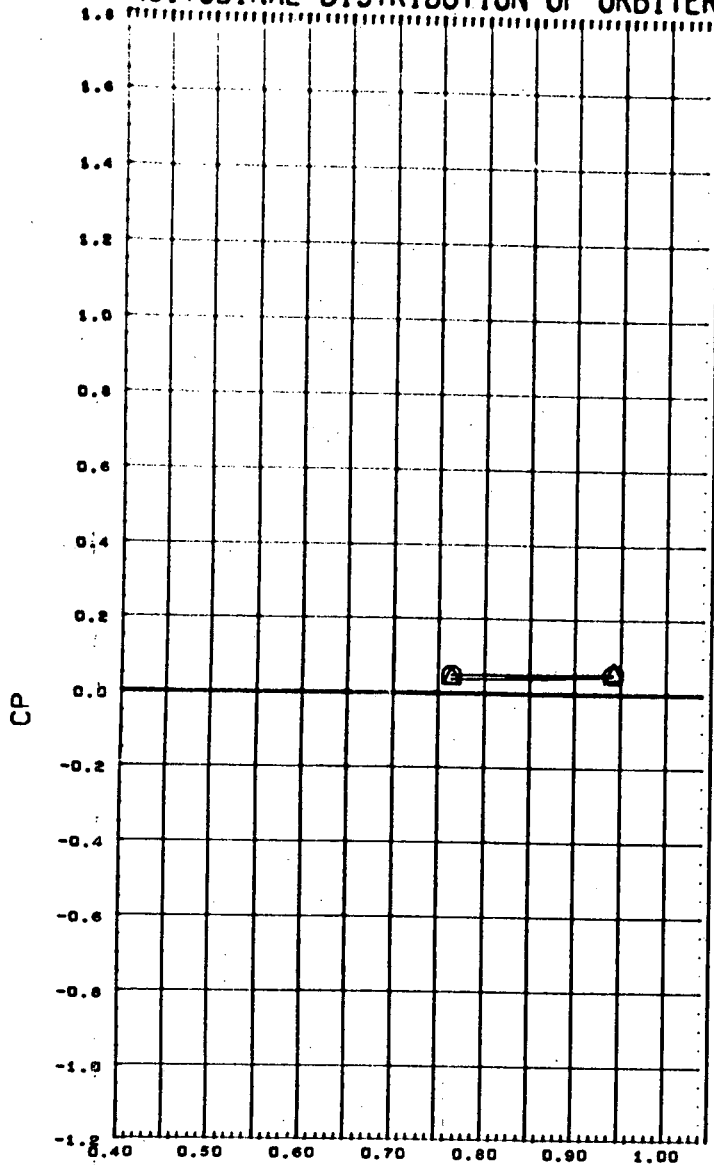


X/L			
SYMBOL	BETA	Y/B	M1
○	5.928	0.568	0.903
△	4.036	0.738	
◇	2.074		
□	0.007		
▽	1.849		

REFERENCE FILE

X/L			
ALFB	PARAMETRIC VALUES	6.000	0.000
I	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	X/L		
	BETA	Y/B	M1
○	3.870	0.568	0.903
△	5.976	0.738	

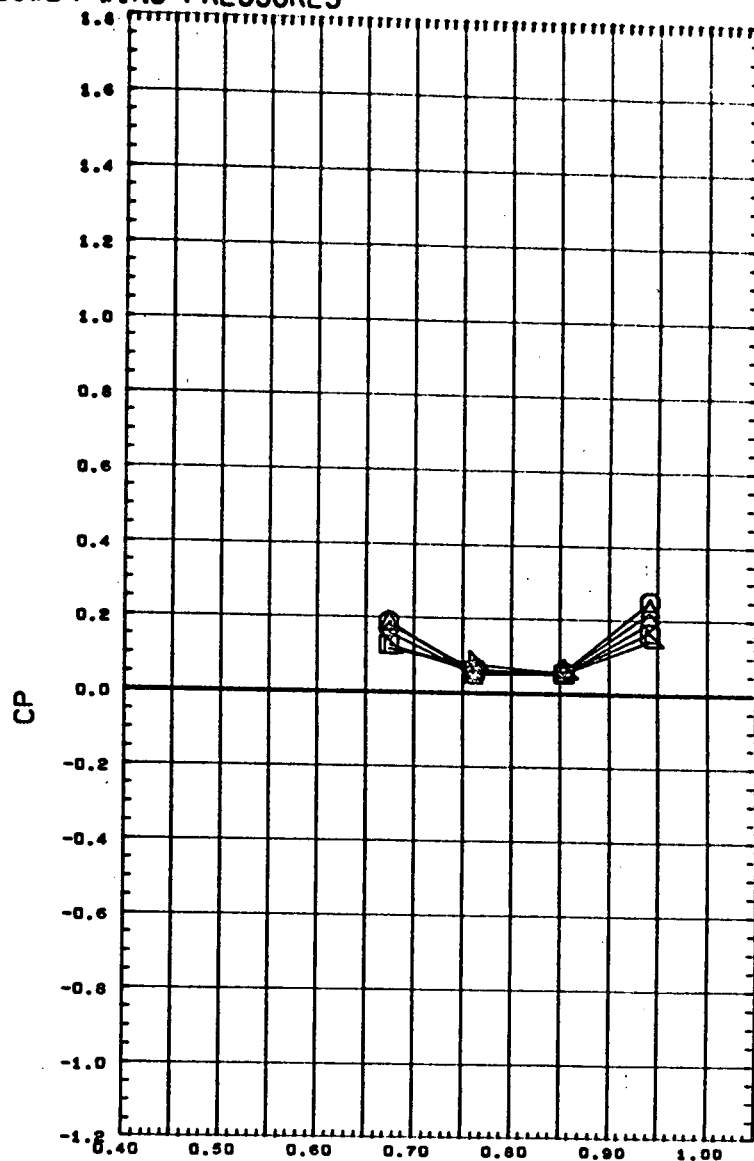
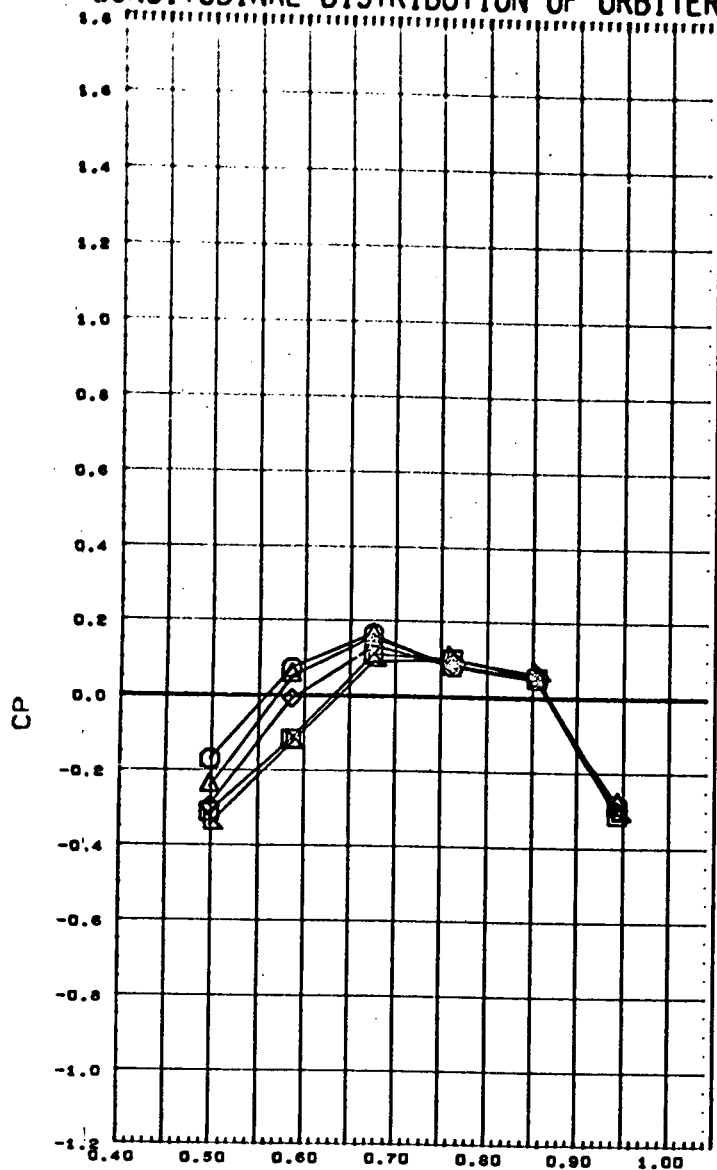
X/L		
PARAMETRIC VALUES		
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I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

PAGE 107

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

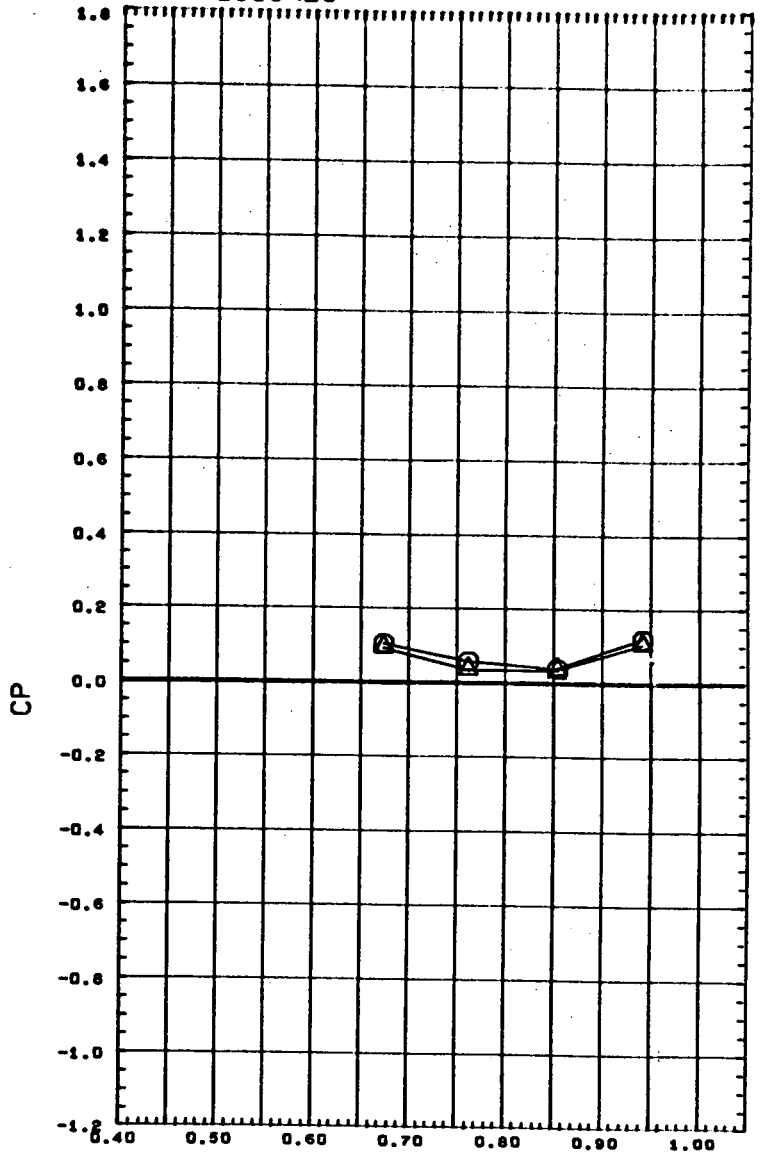
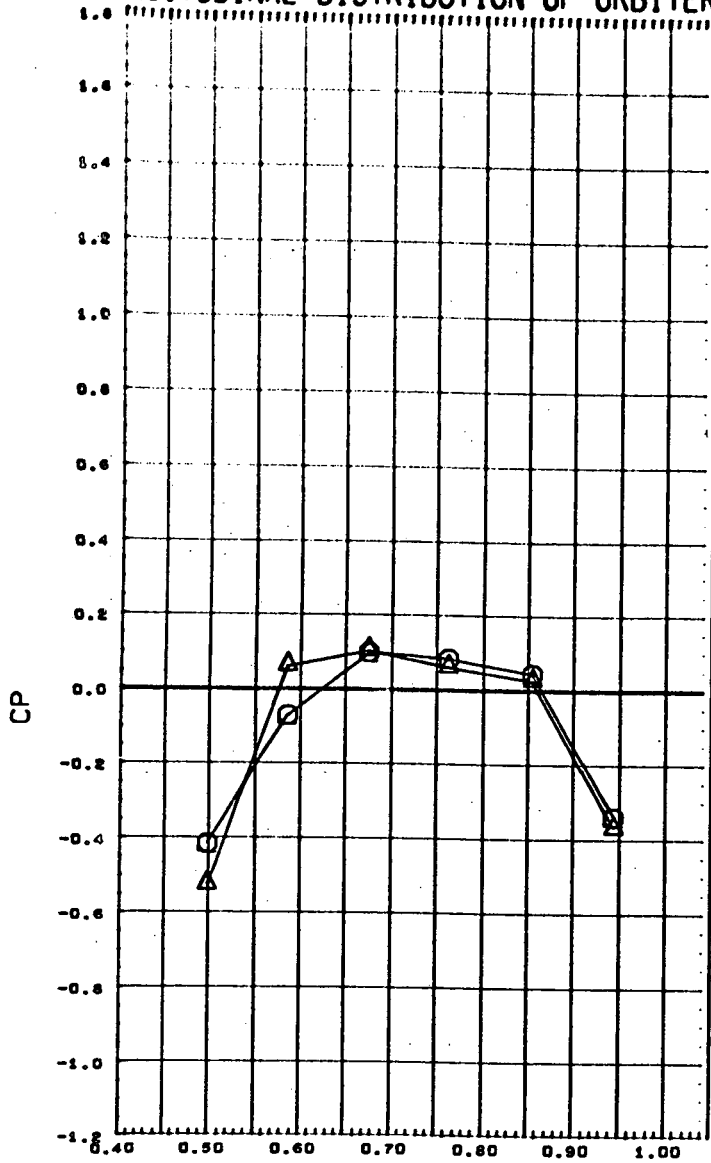


SYMBOL	BETA	Y/B	X/L	M1
○	5.831	0.230		1.001
◇	3.916	0.399		
△	2.062			
□	0.023			
+	1.843			

REFERENCE FILE

ALFB	PARAMETRIC VALUES	DX/L	
6.000		0.000	
1	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.879	0.230	1.001
△	5.995	0.399	

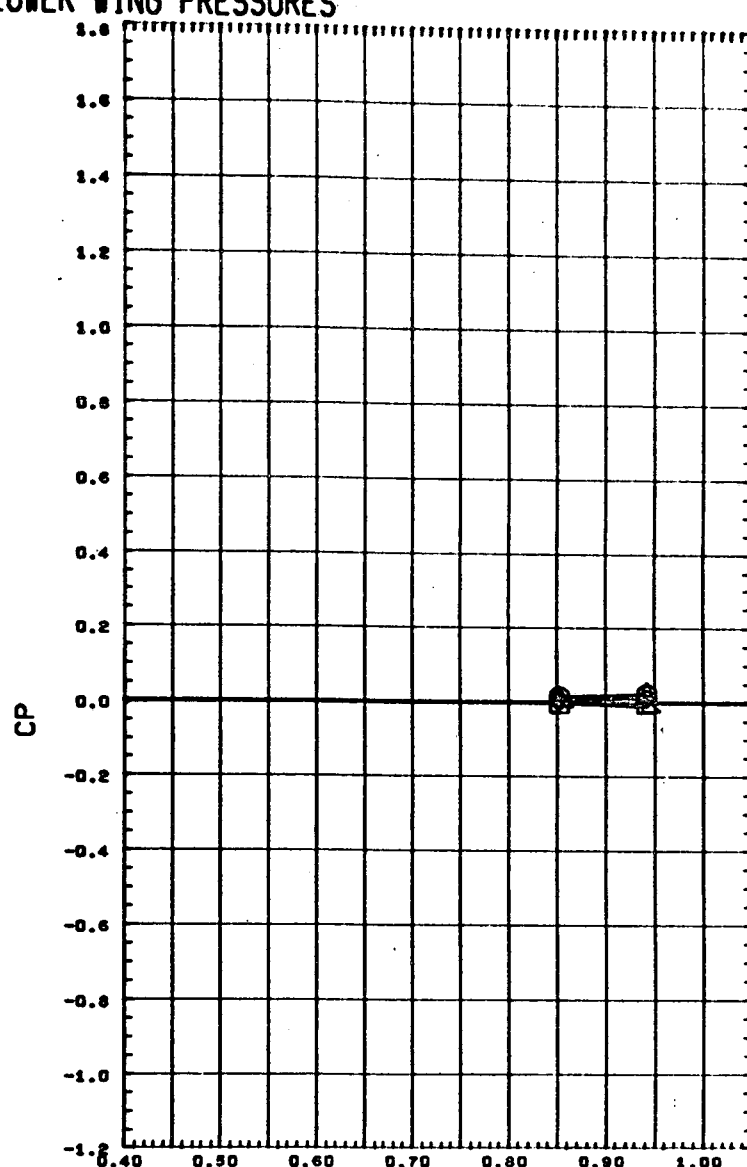
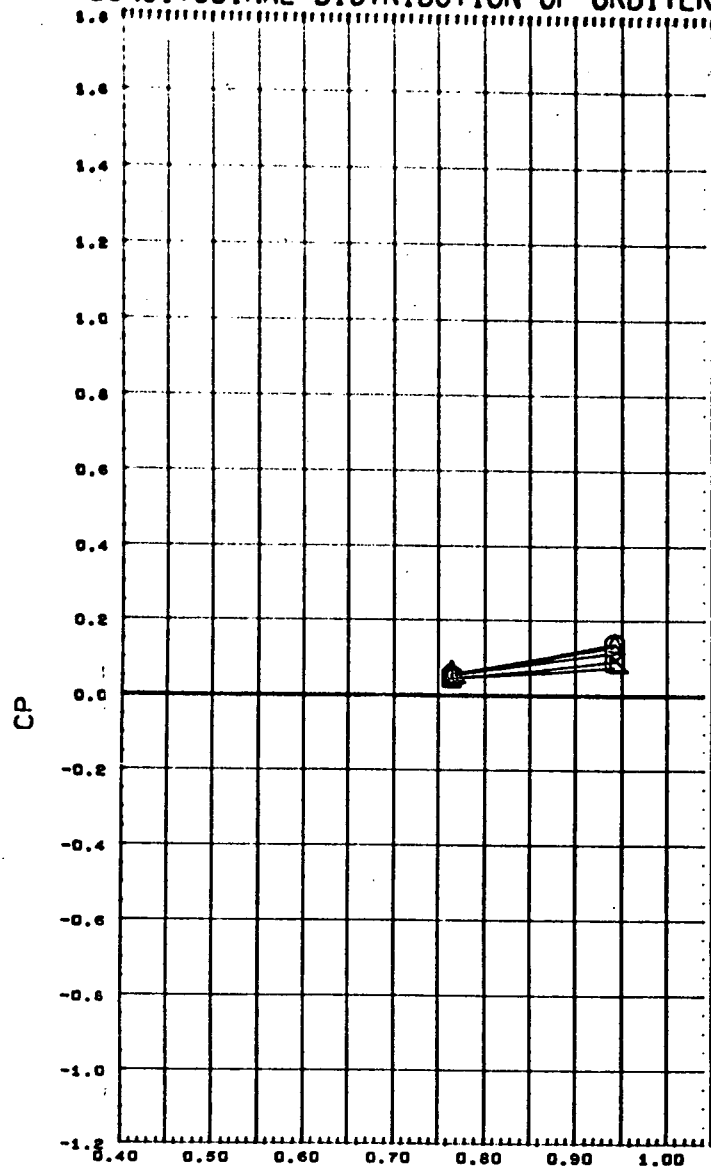
PARAMETRIC VALUES		
ALFB	6.000	OX/L 0.000
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

PAGE 109

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

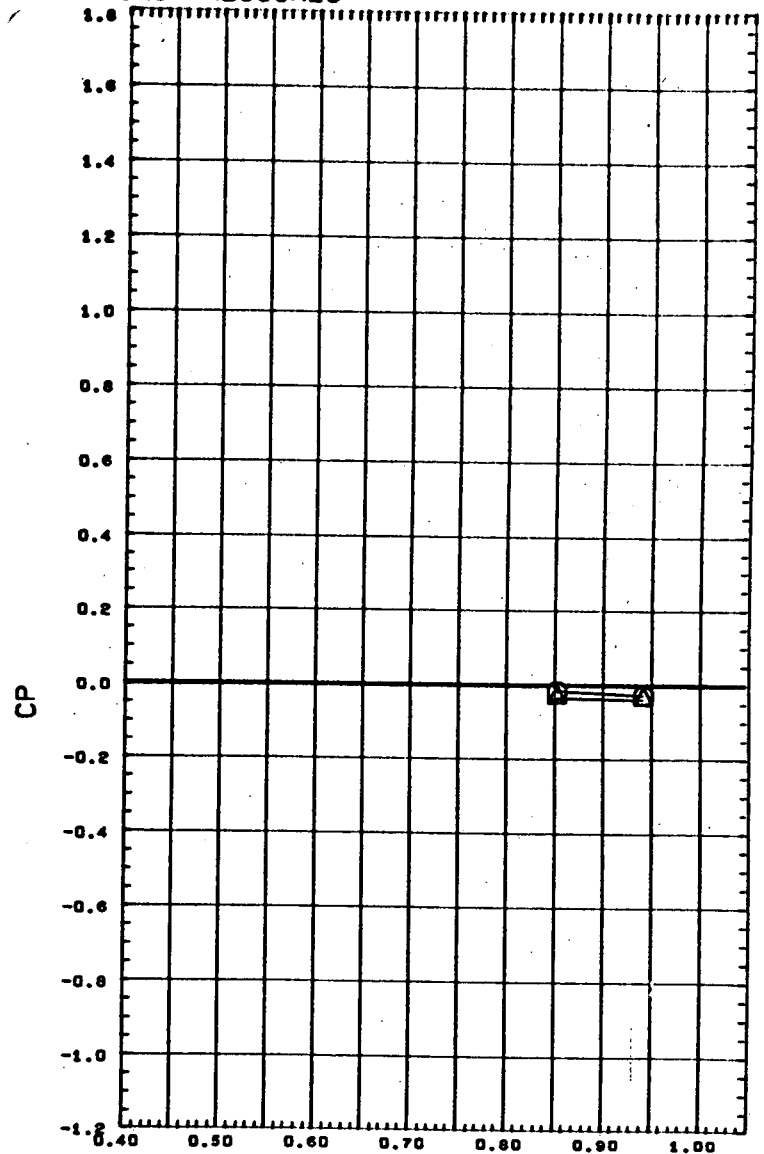
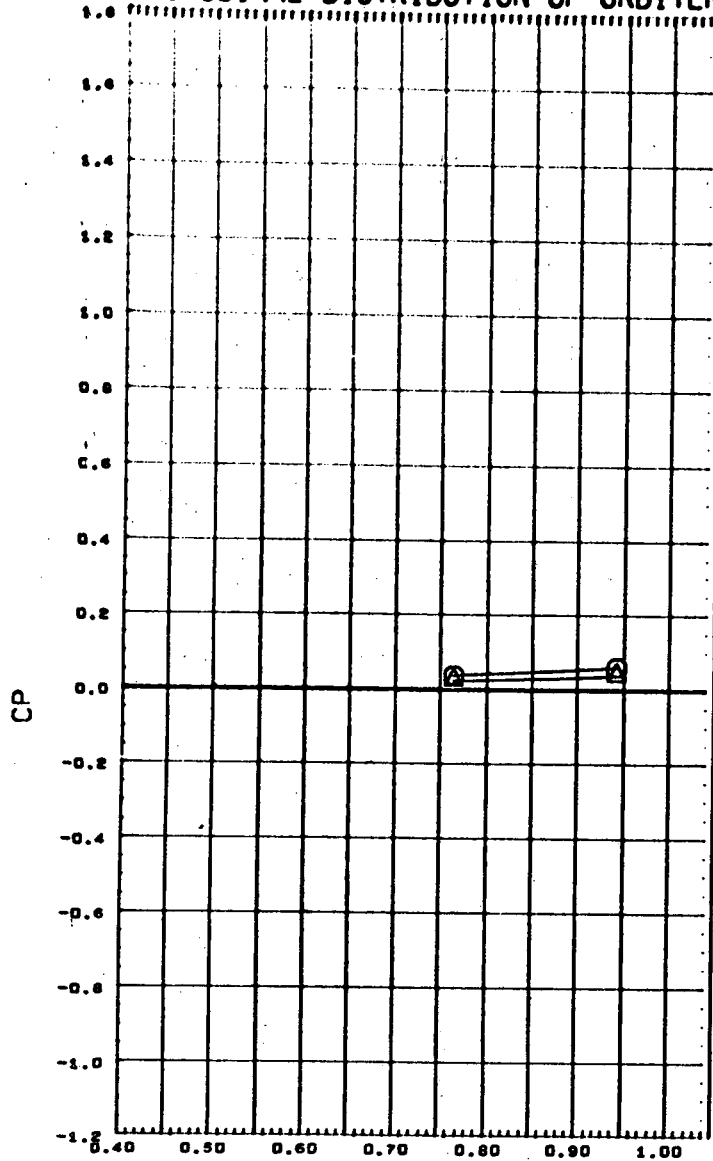


X/L			
SYMBOL	BETA	Y/B	M1
○	- 5.831	0.568	1.001
△	- 3.916	0.738	
◇	- 2.062		
□	- 0.023		
▽	1.843		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALPB	6.000	CX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.879	0.568	1.001
△	5.995	0.738	

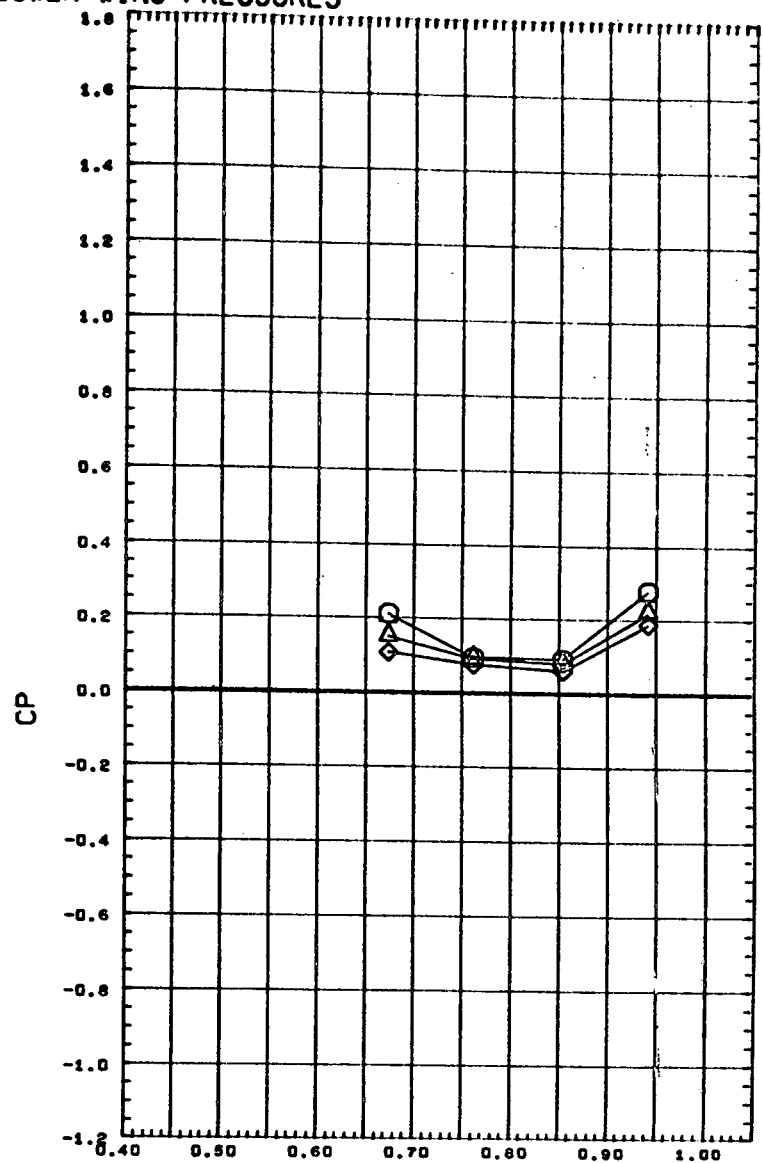
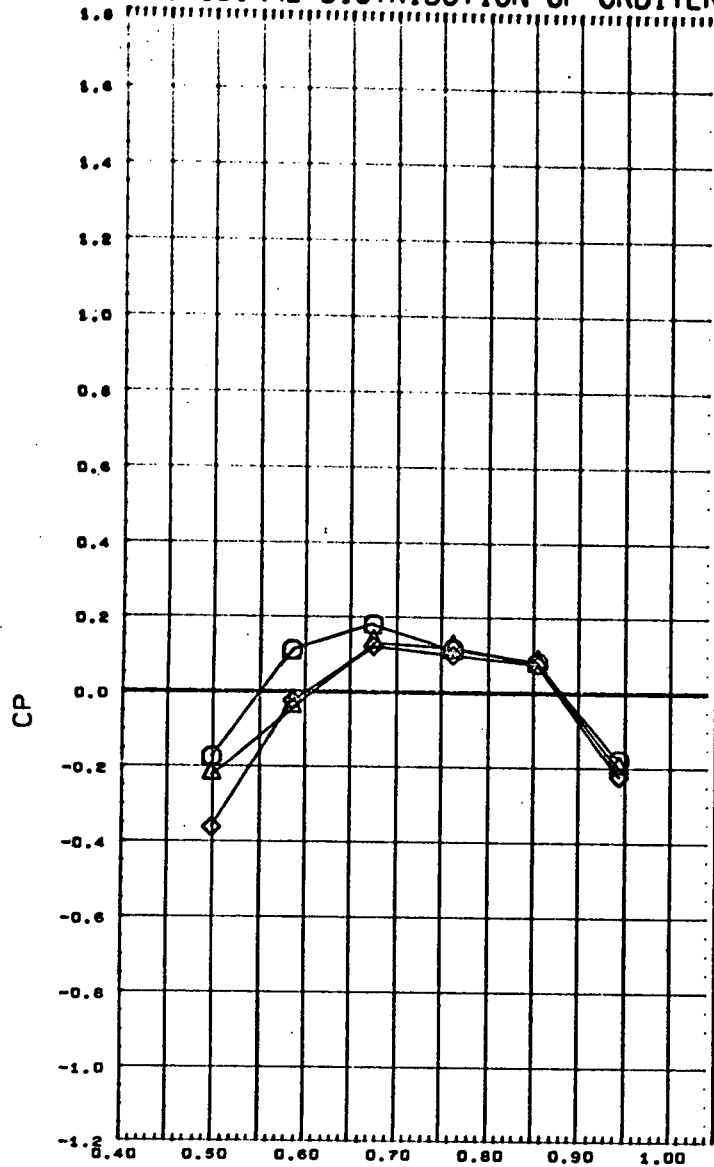
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I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.704	0.230	1.100
△	0.004	0.399	
◇	3.758		

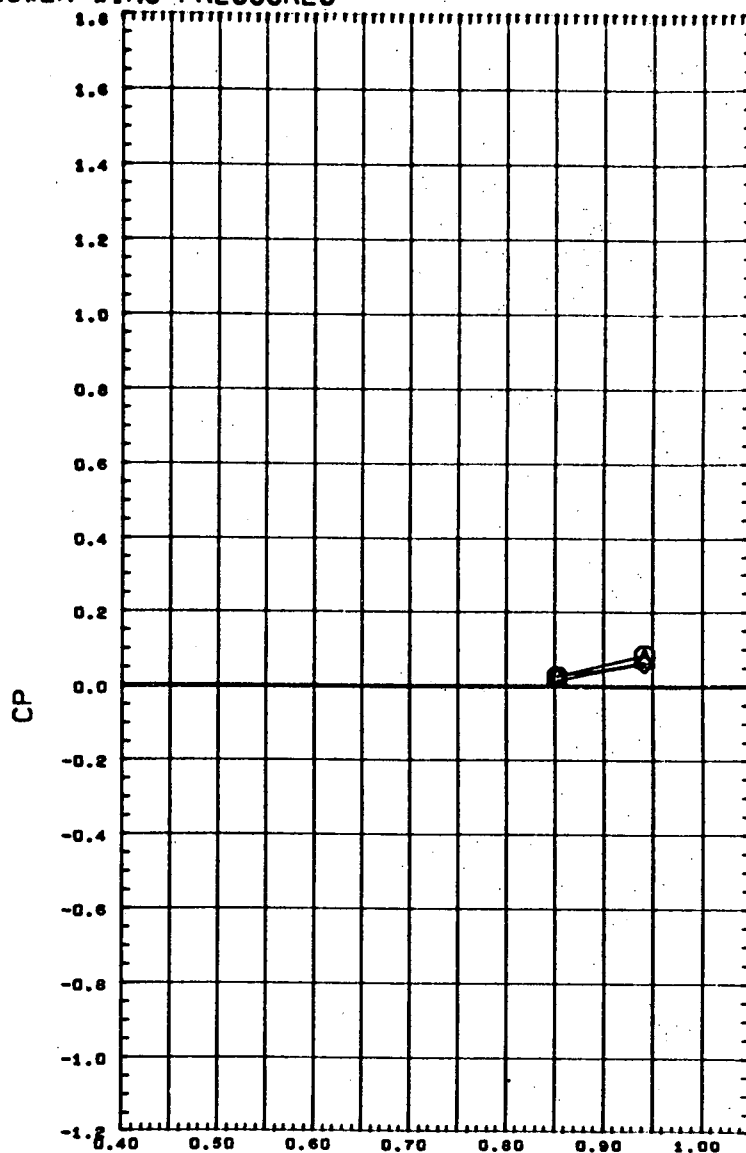
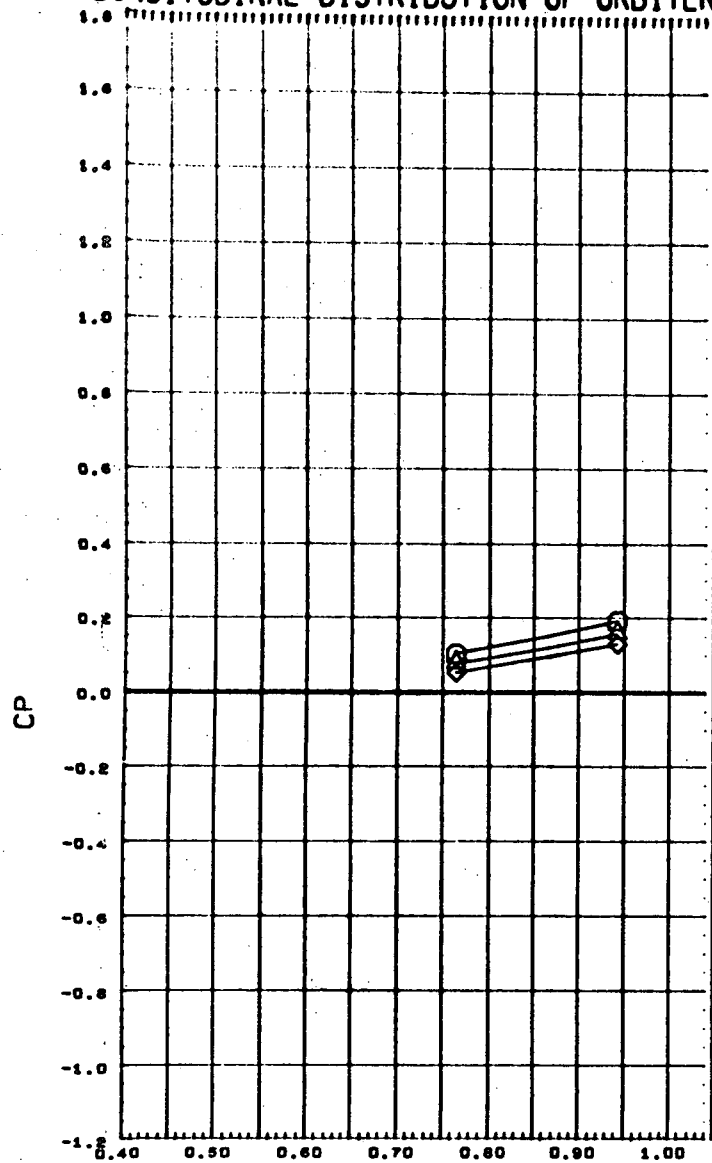
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

PAGE 112

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

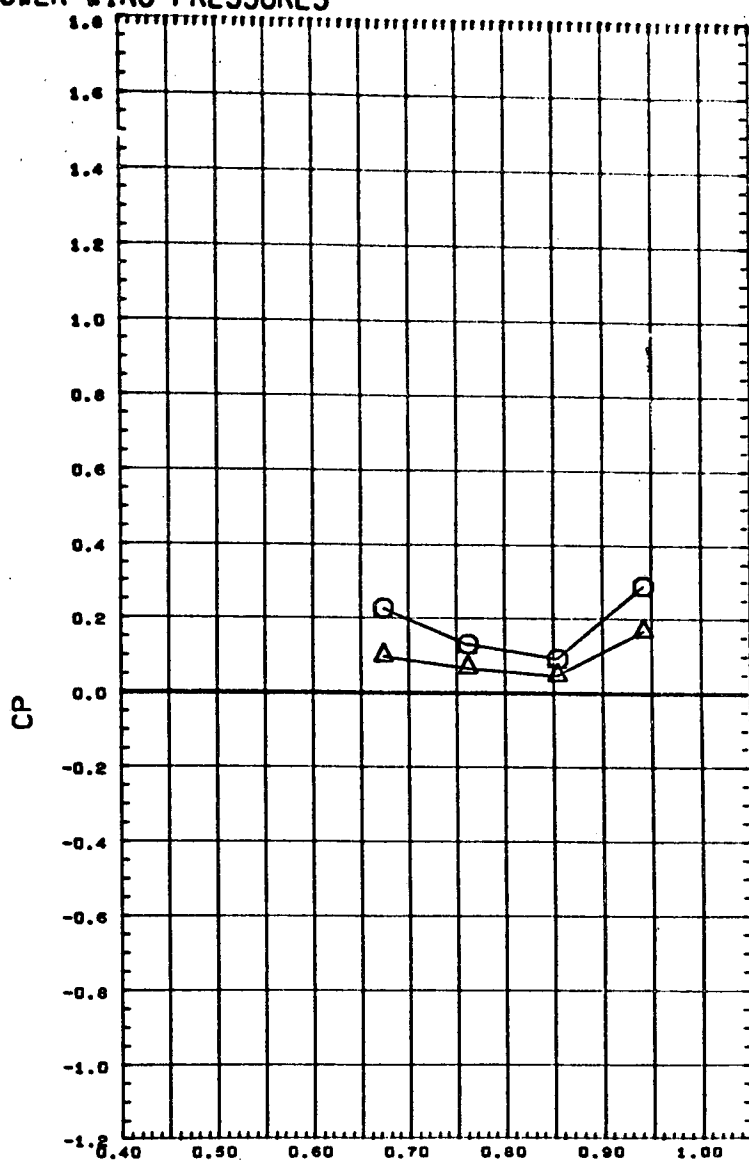
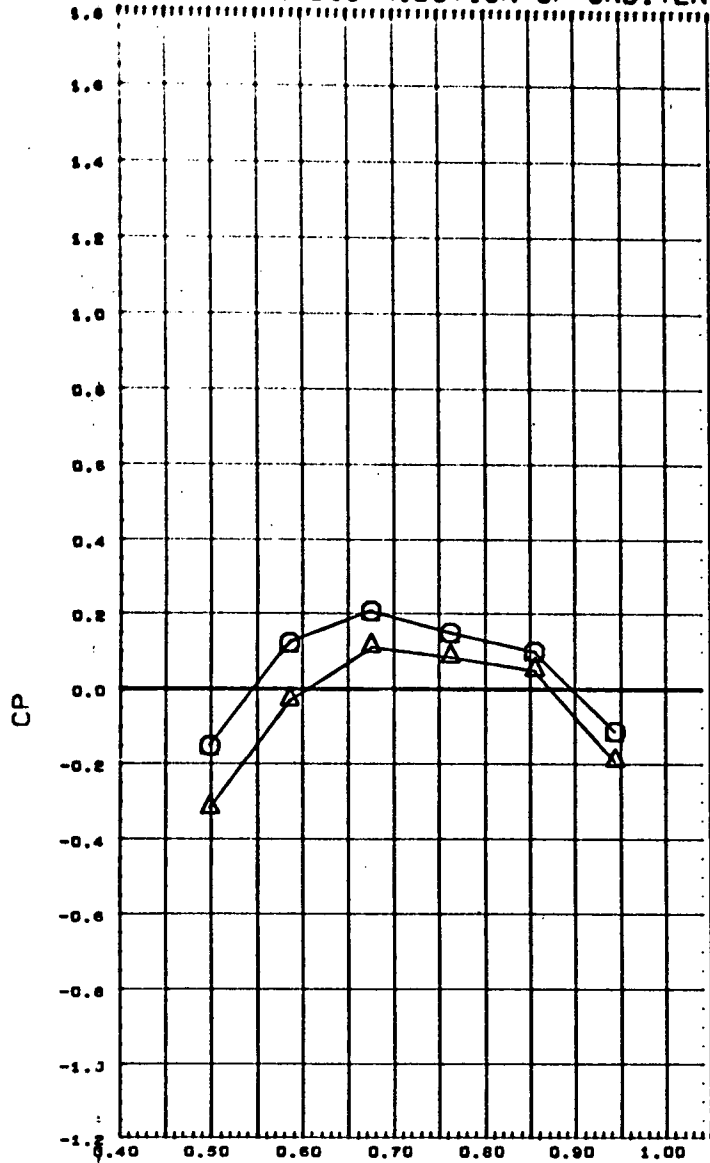


X/L			
SYMBOL	BETA	Y/B	M1
○	3.704	0.568	1.100
△	0.004	0.738	
◇	3.758		

X/L		
ALFB	PARAMETRIC VALUES	DX/L
I	6.000	0.000
	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

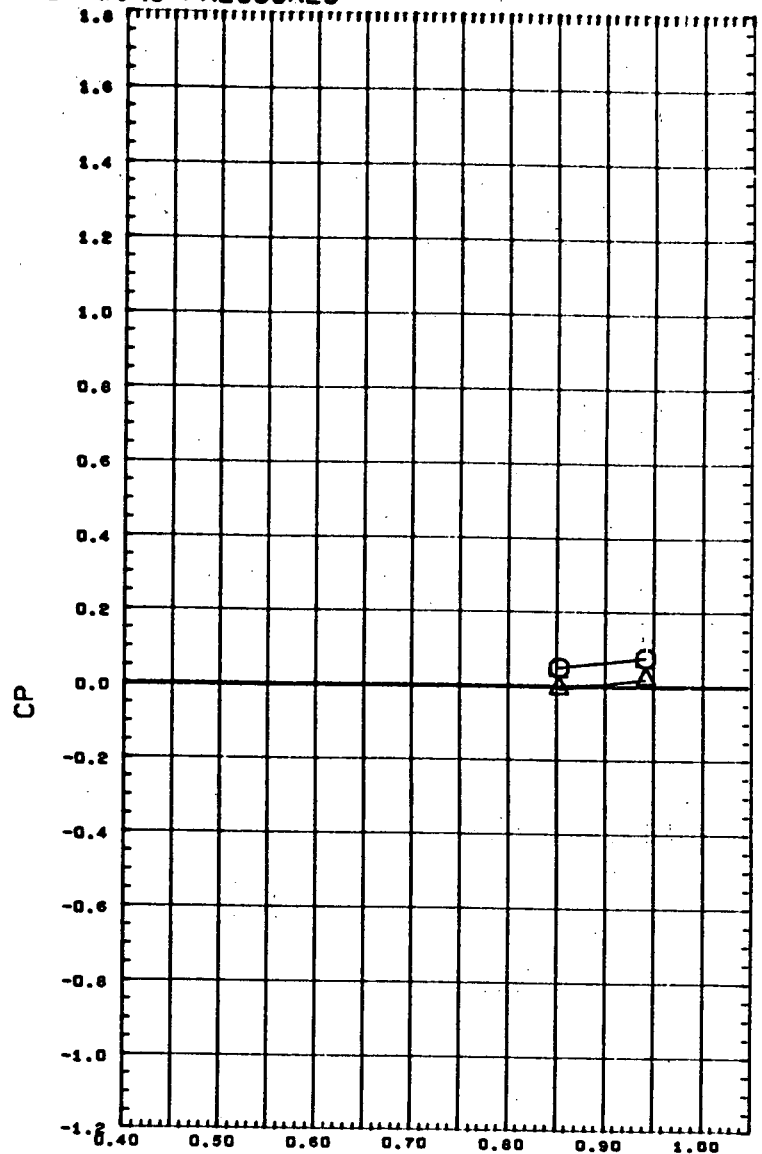
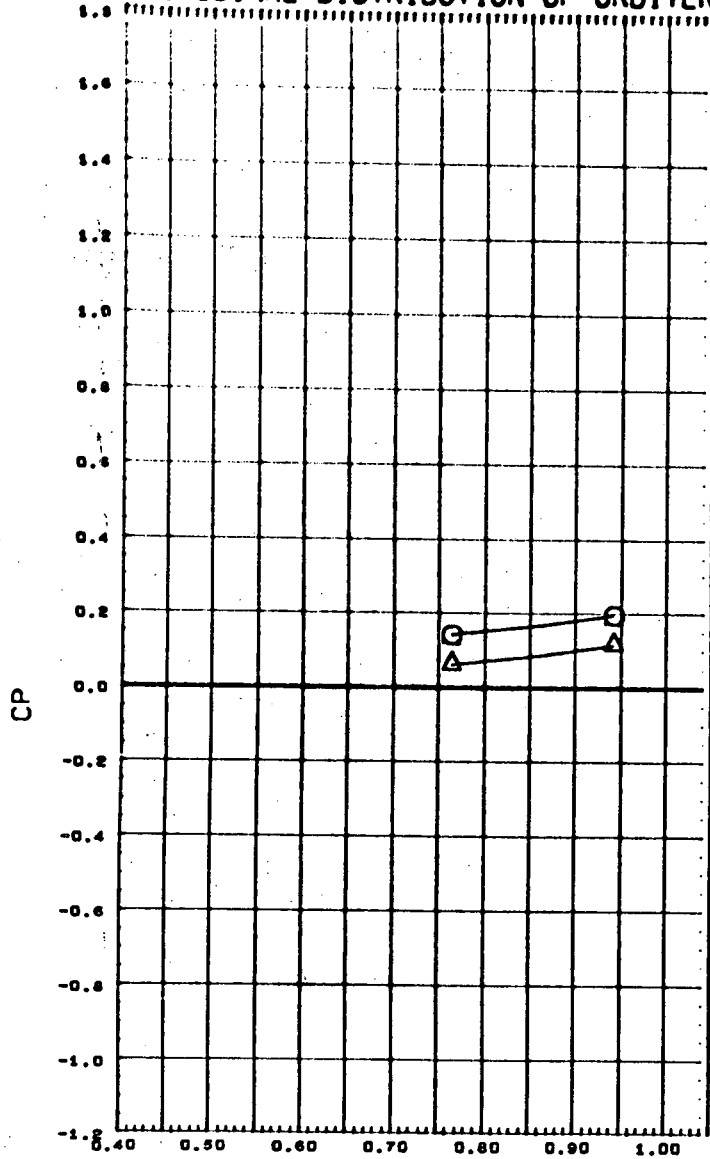


X/L			
SYMBOL	DETA	Y/B	M1
O	3.879	0.230	1.202
Δ	3.779	0.399	

X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
O	3.879	0.568	1.202
Δ	3.779	0.738	

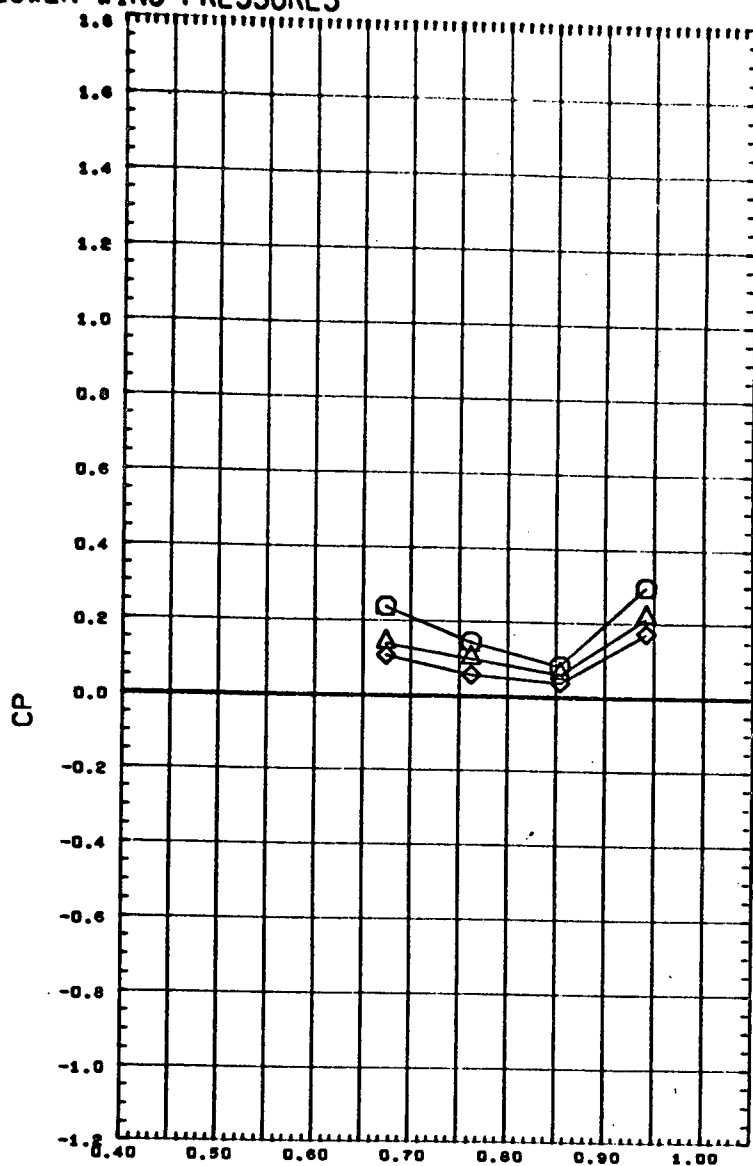
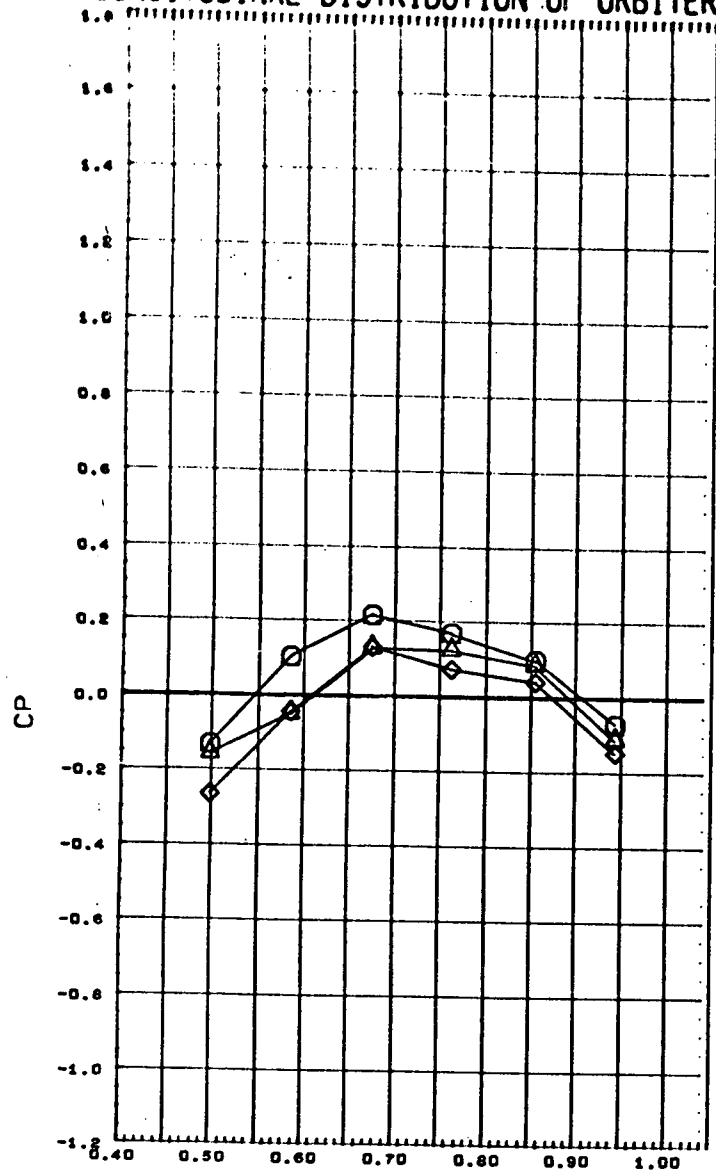
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ALPB	6.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.842	0.230	1.298
△	0.036	0.399	
◇	5.887		

X/L

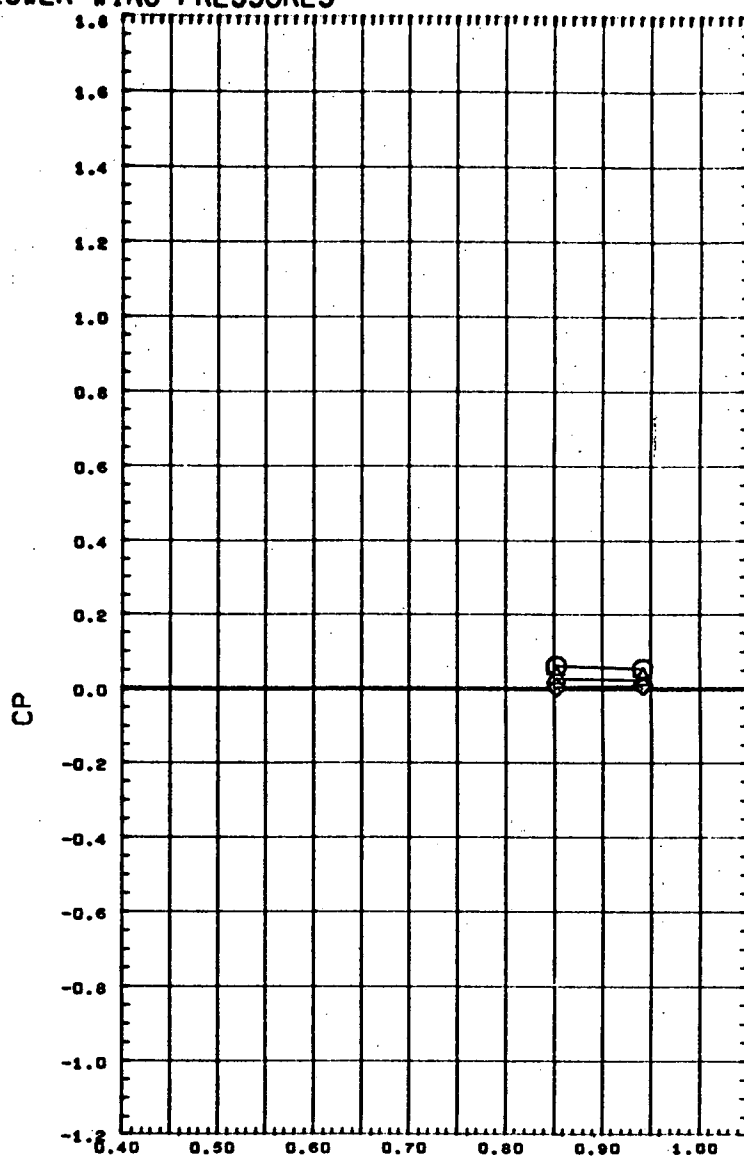
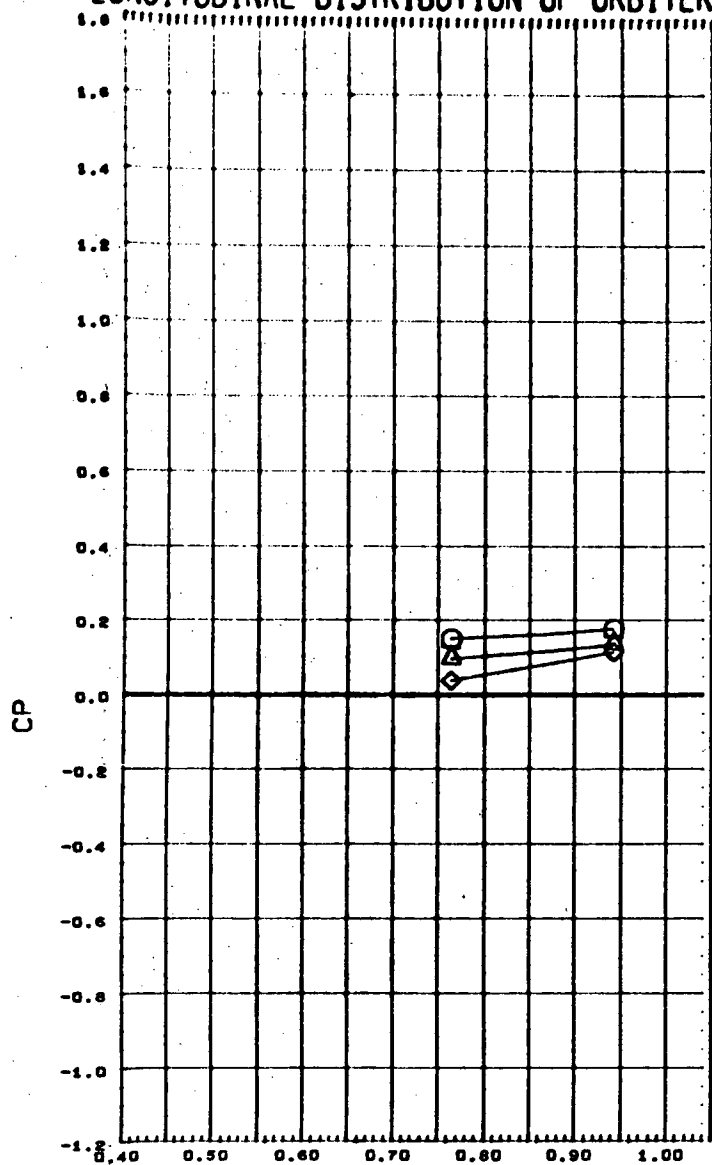
PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC004)

PAGE 116

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

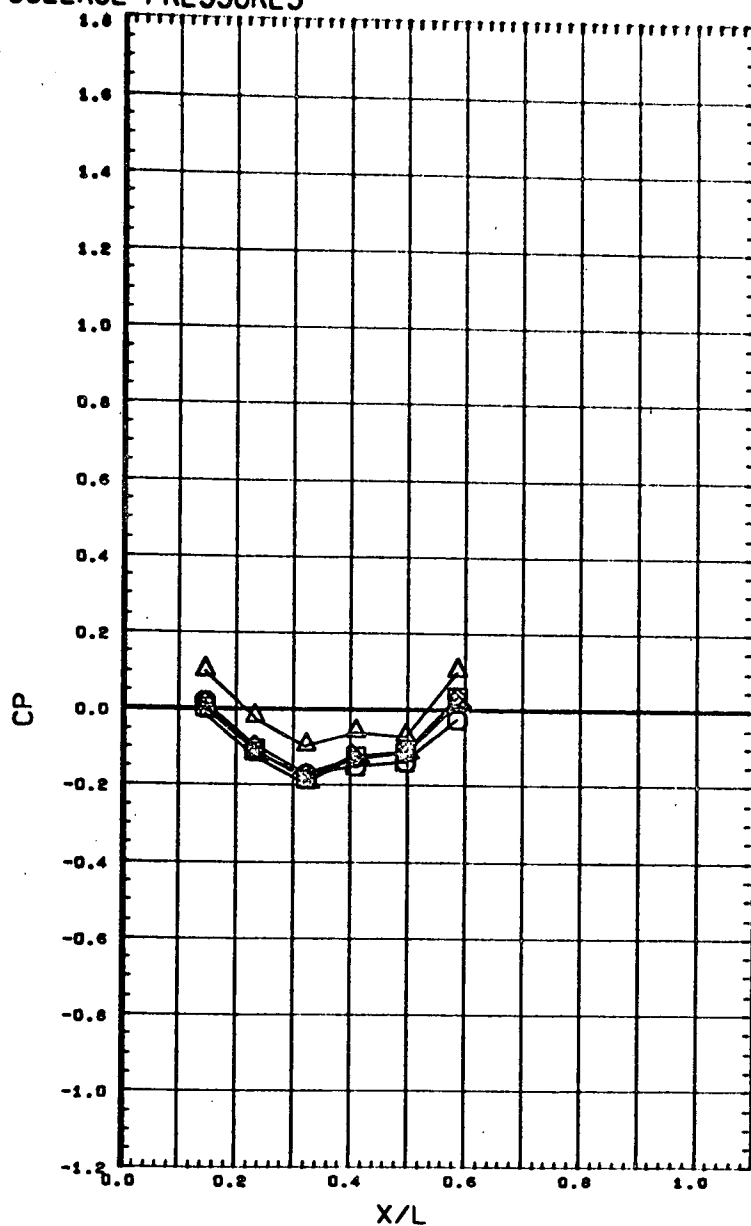
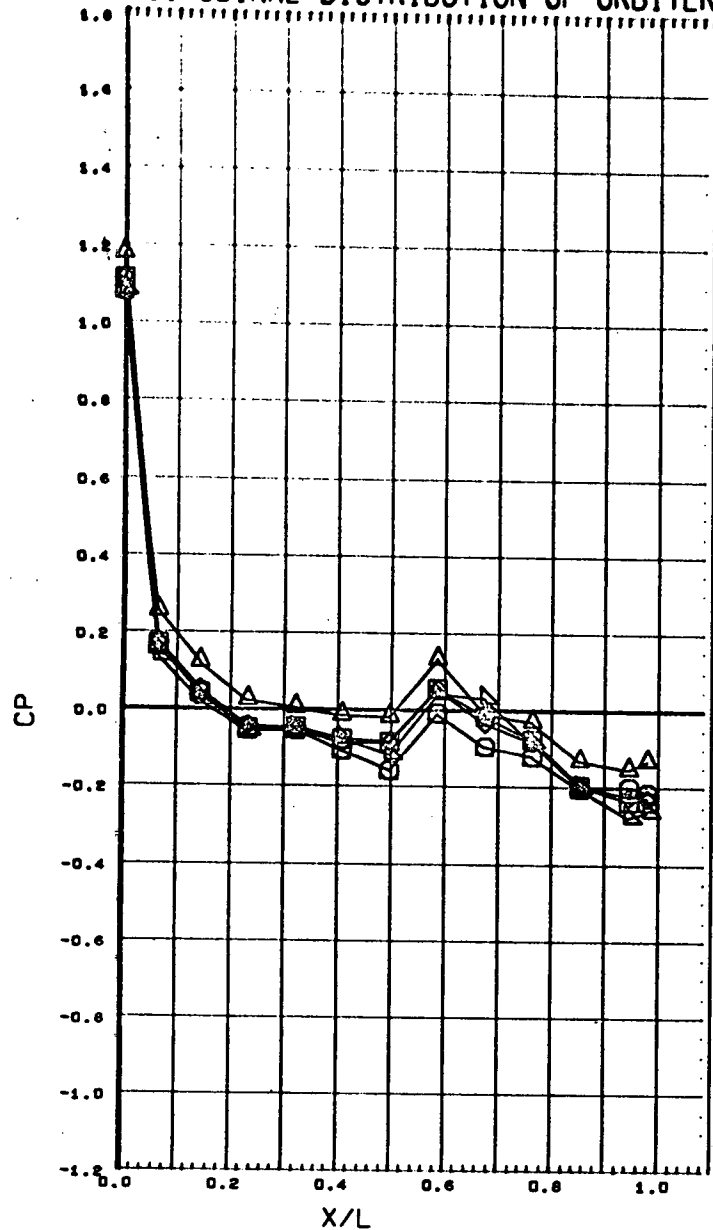


X/L			
SYMBOL	BETA	Y/B	M1
○	3.842	0.568	1.298
△	0.036	0.738	
◇	3.887		

X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

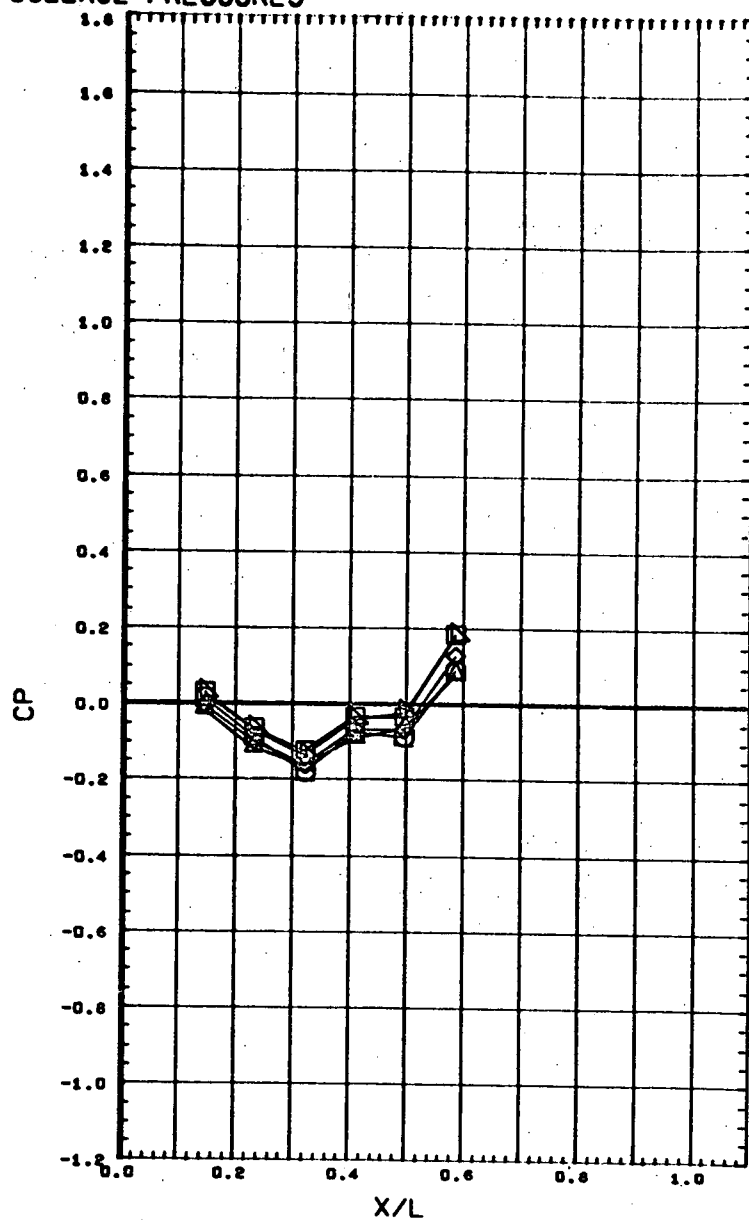
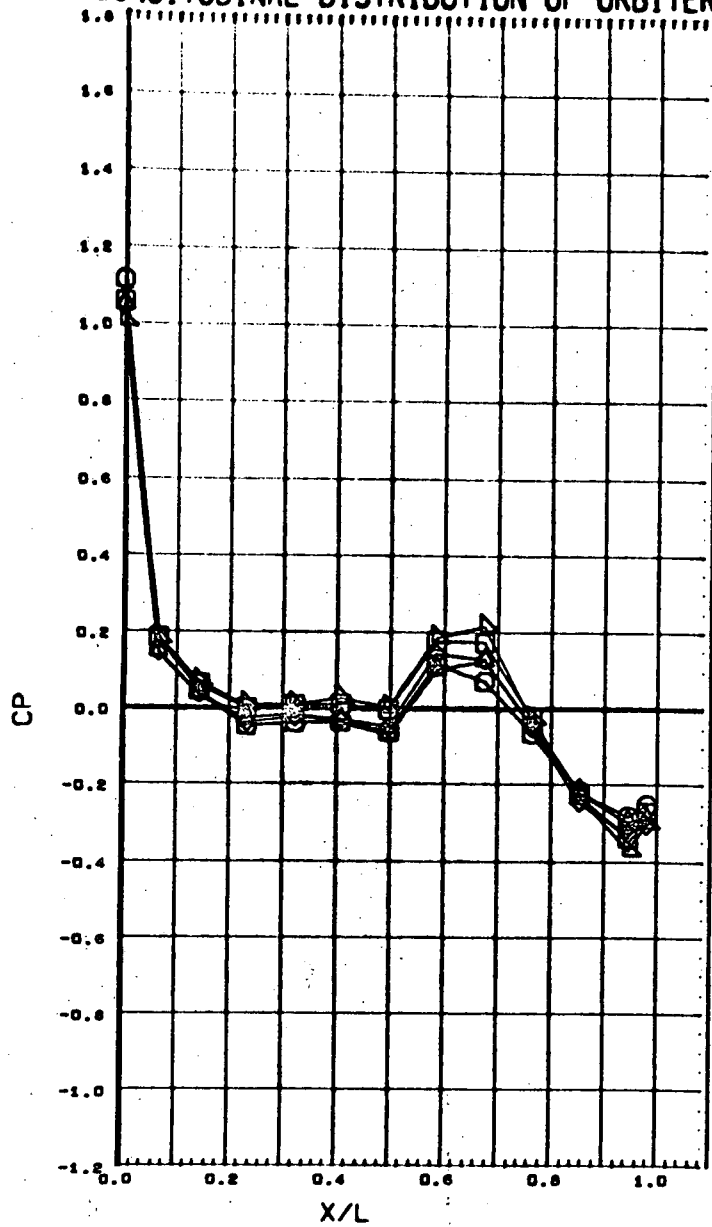


SYMBOL	ALFB	Y/B	M1
△	8.140	0.000	0.597
◊	5.877	0.076	
◻	3.890		
◻	2.290		
◻	0.129		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

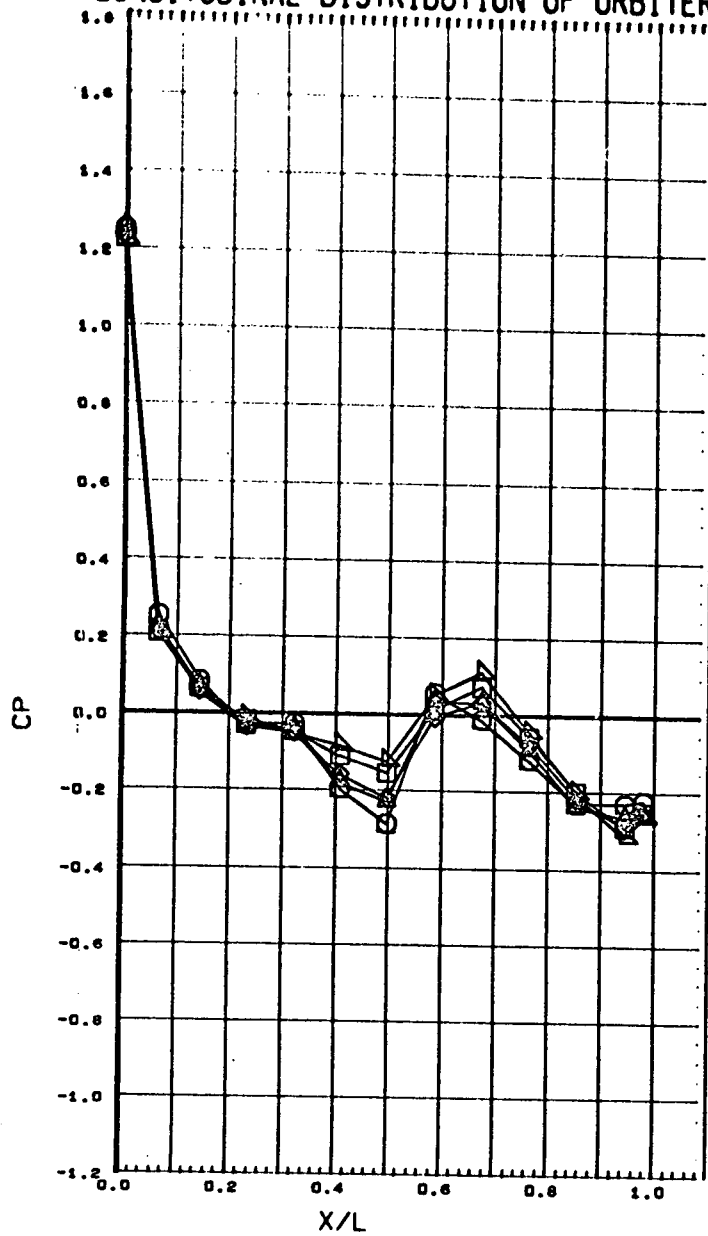


SYMBOL	ALFB	Y/B	M1
□	2.108	0.000	0.597
◇	4.102	0.076	
△	6.080		
○	7.688		
×	10.114		

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L
I	0.000	0.036
	0.000	

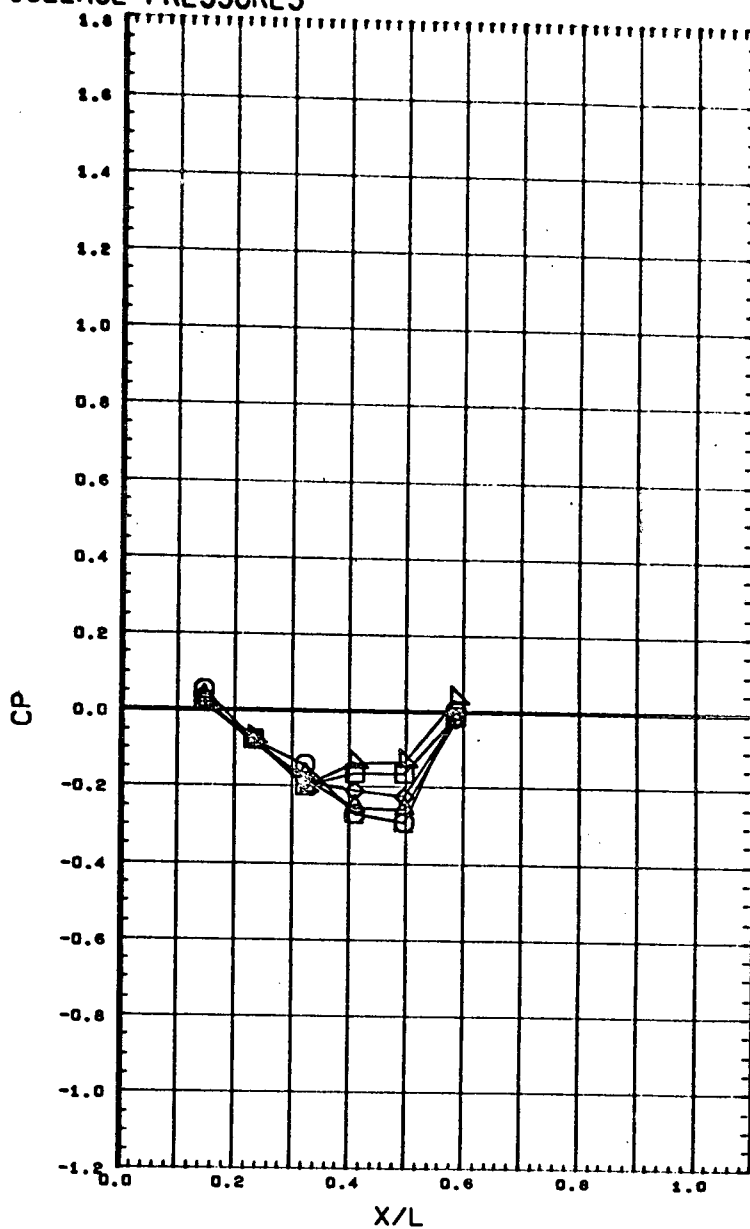
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	8.280	0.000	0.899
△	4.452	0.076	
□	2.200		
◇	0.193		
◇	2.085		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

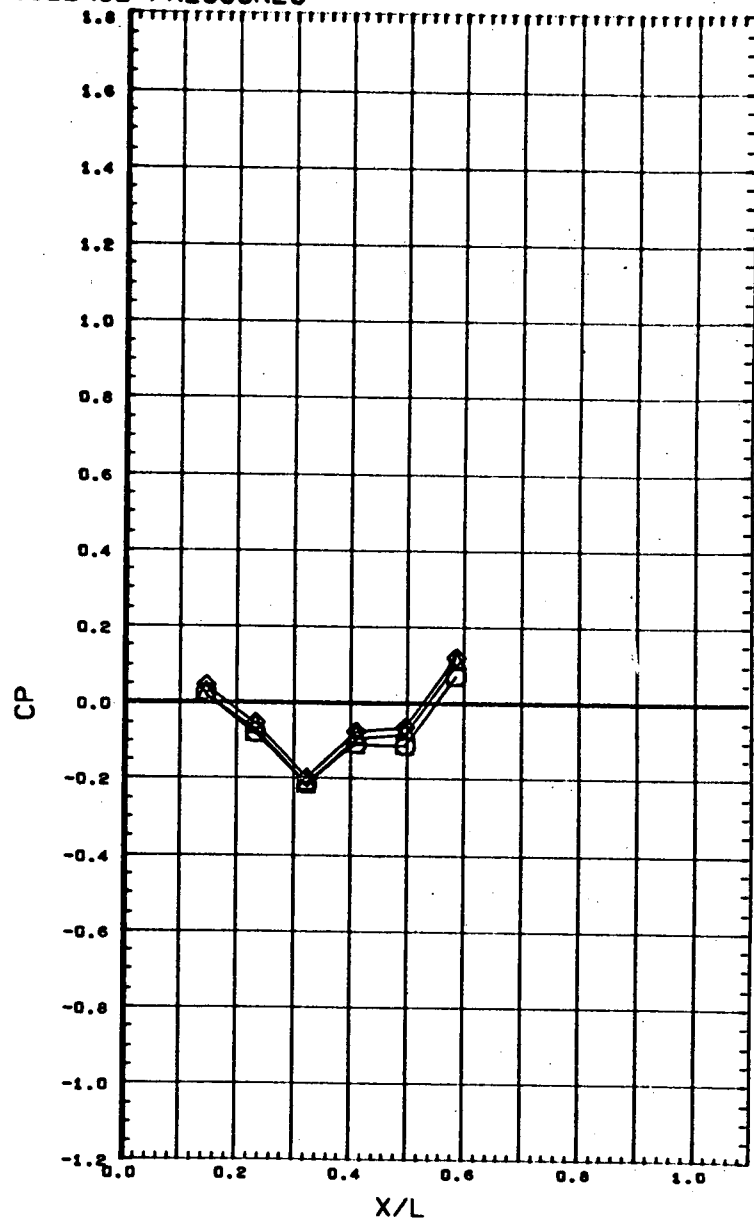
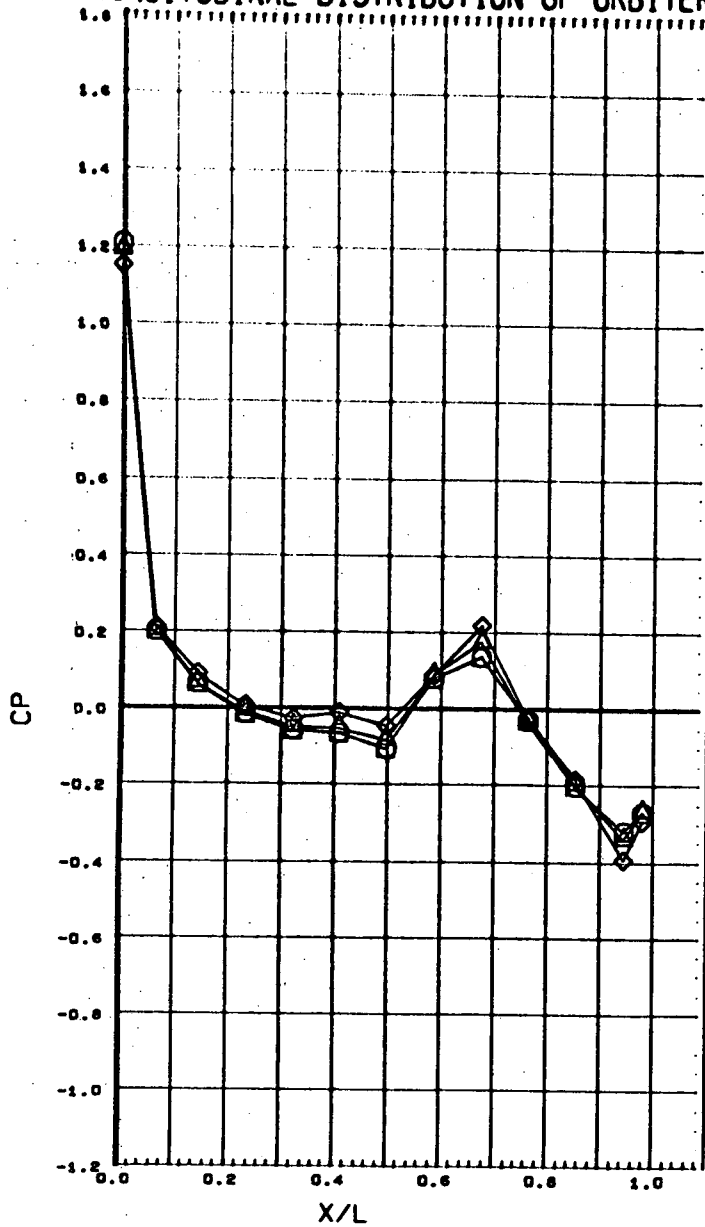


PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

(FTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	3.719	0.000	0.899
△	6.154	0.076	
◇	10.121		

PARAMETRIC VALUES		
BETA	0.000	0.036
I	0.000	

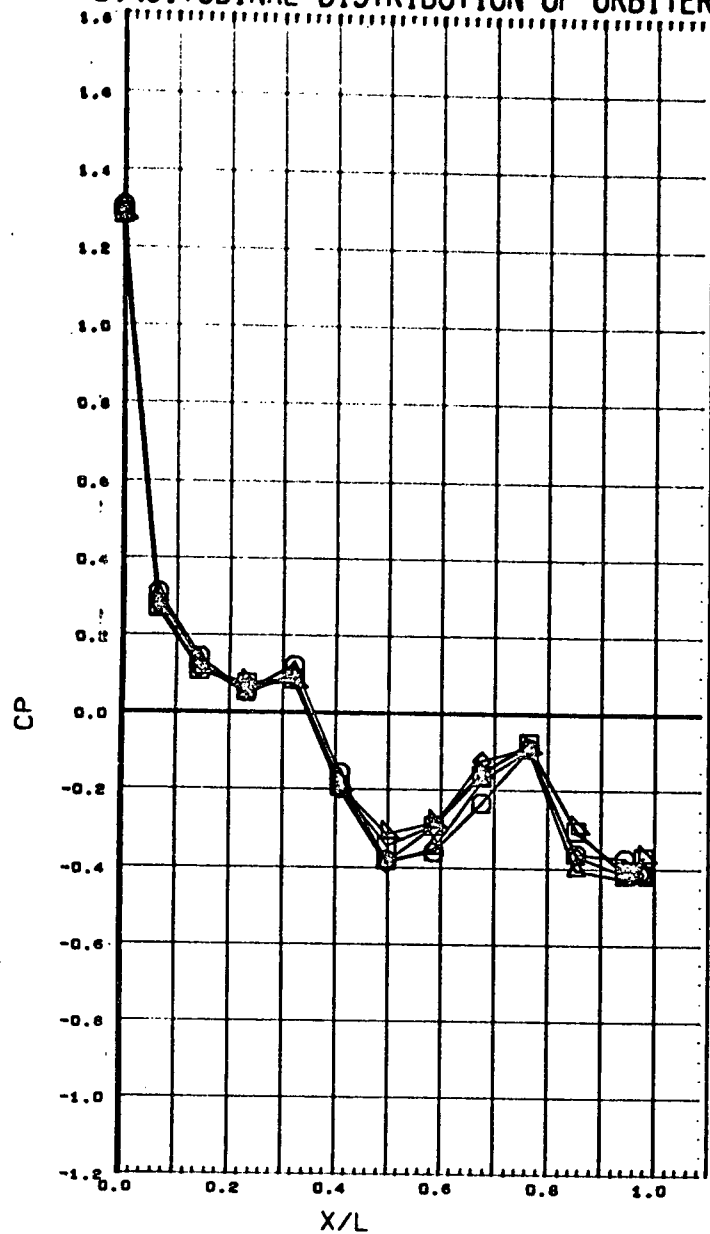
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC005)

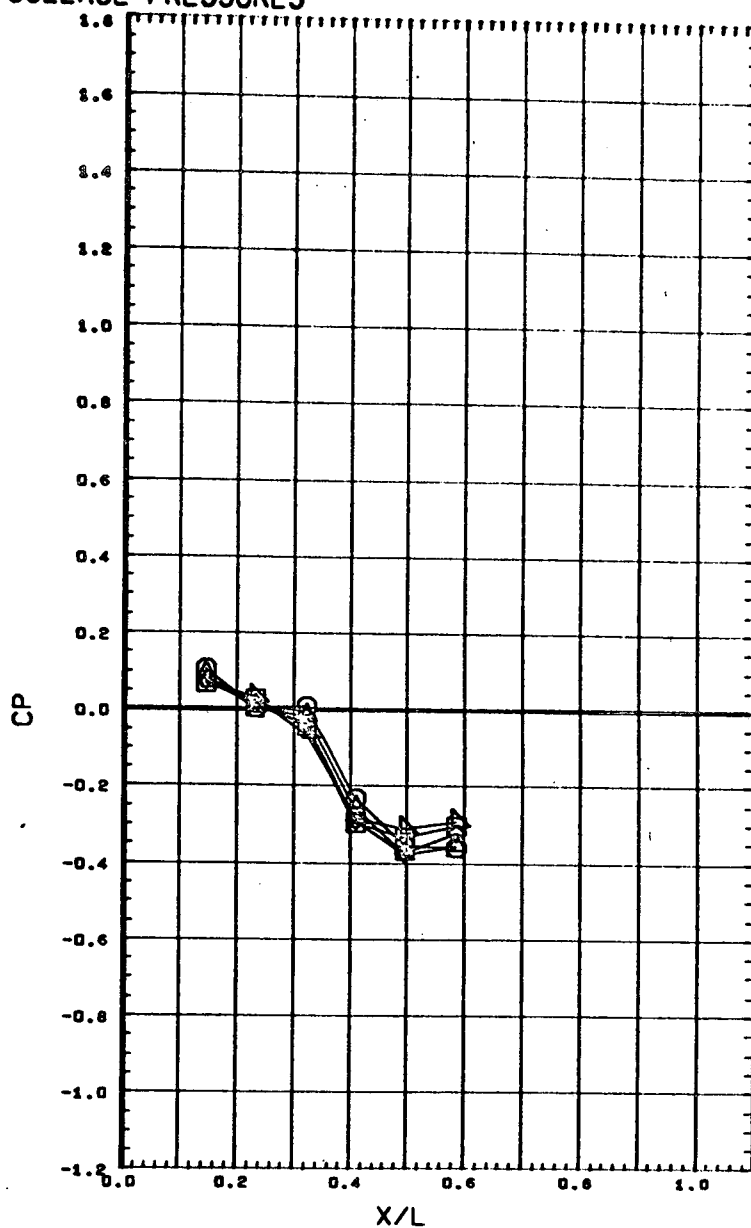
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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



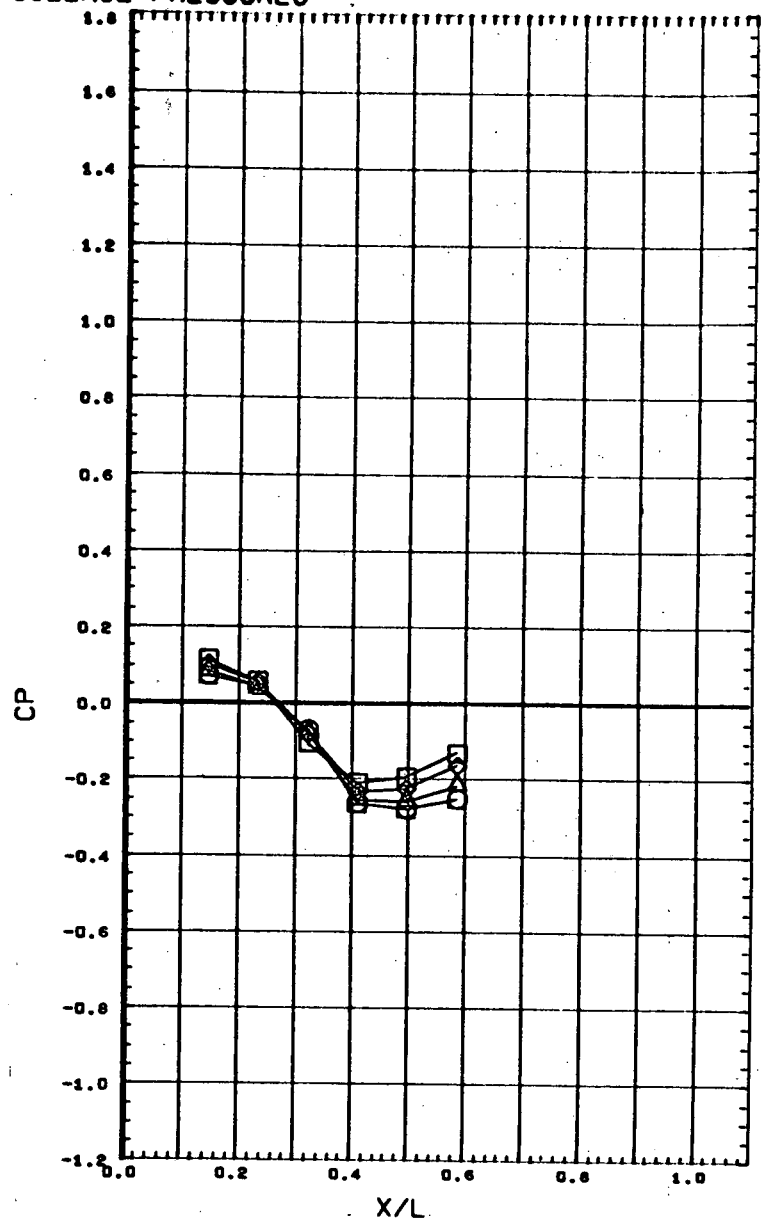
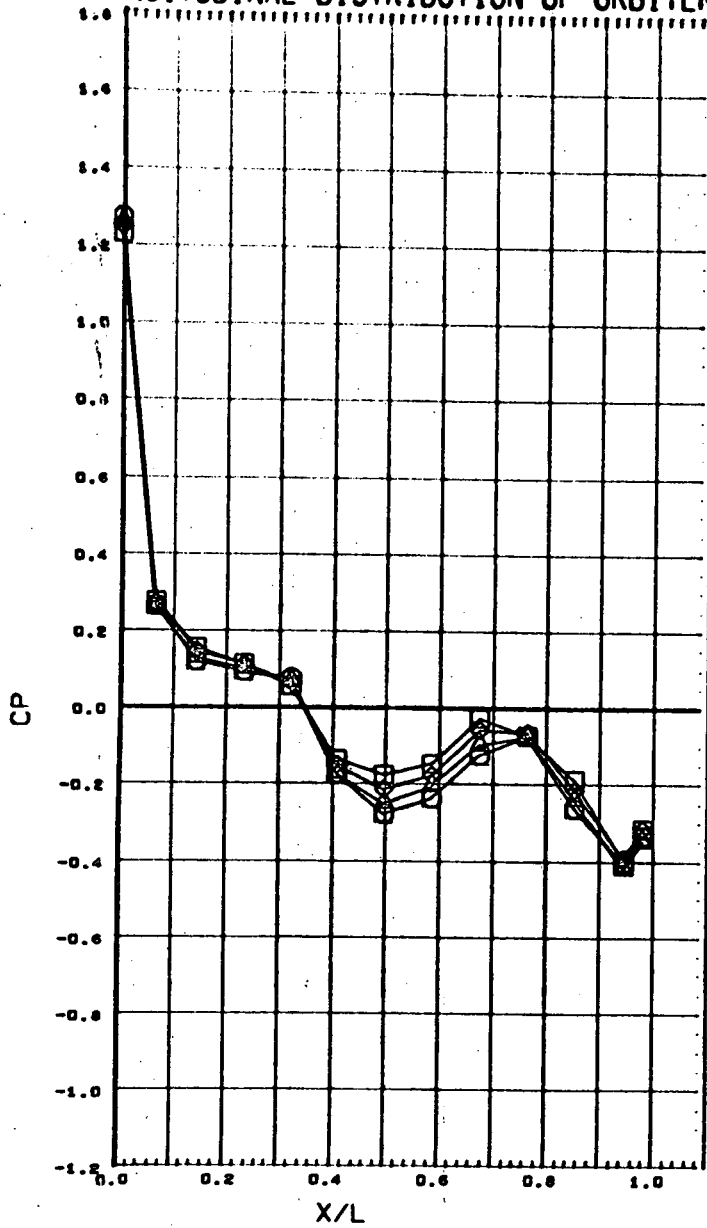
SYMBOL	ALFB	Y/B	M1
○	- 6.158	0.000	0.995
△	- 4.439	0.076	
◇	- 2.197		
□	0.217		
	2.165		

REFERENCE FILE



PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	4.157	0.000	0.995
△	6.136	0.076	
◇	7.548		
□	9.756		

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
1	0.000	

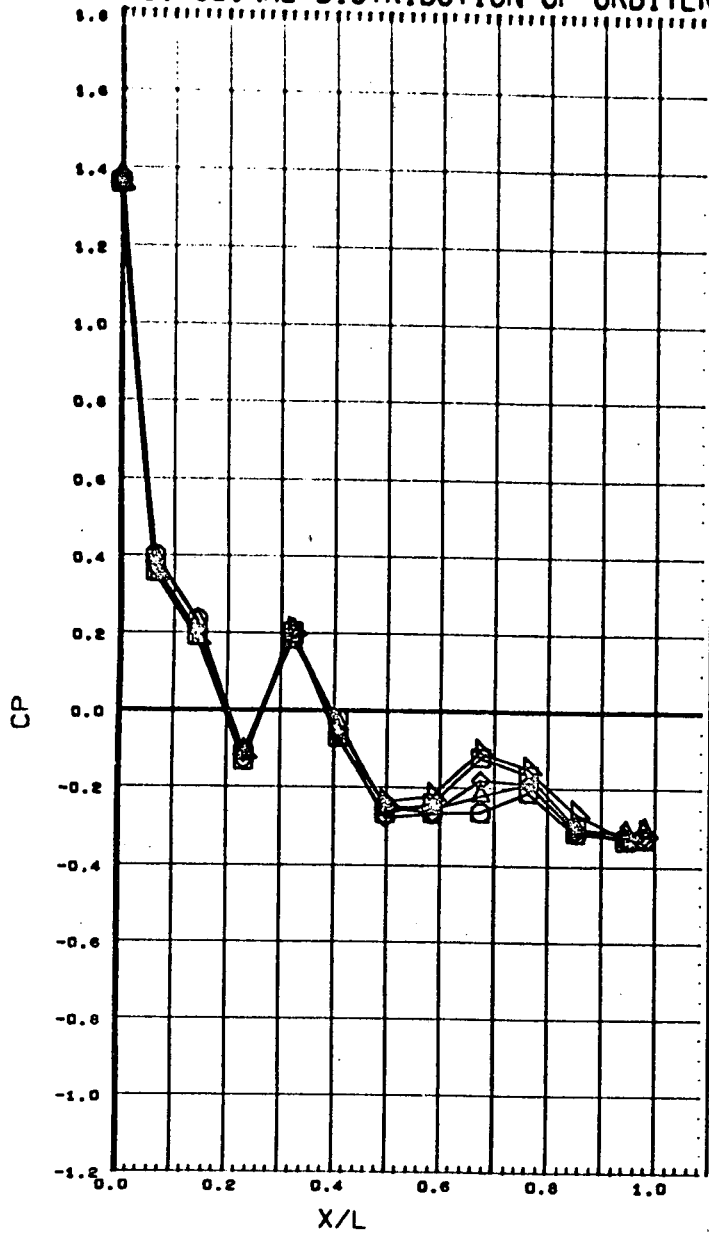
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC005)

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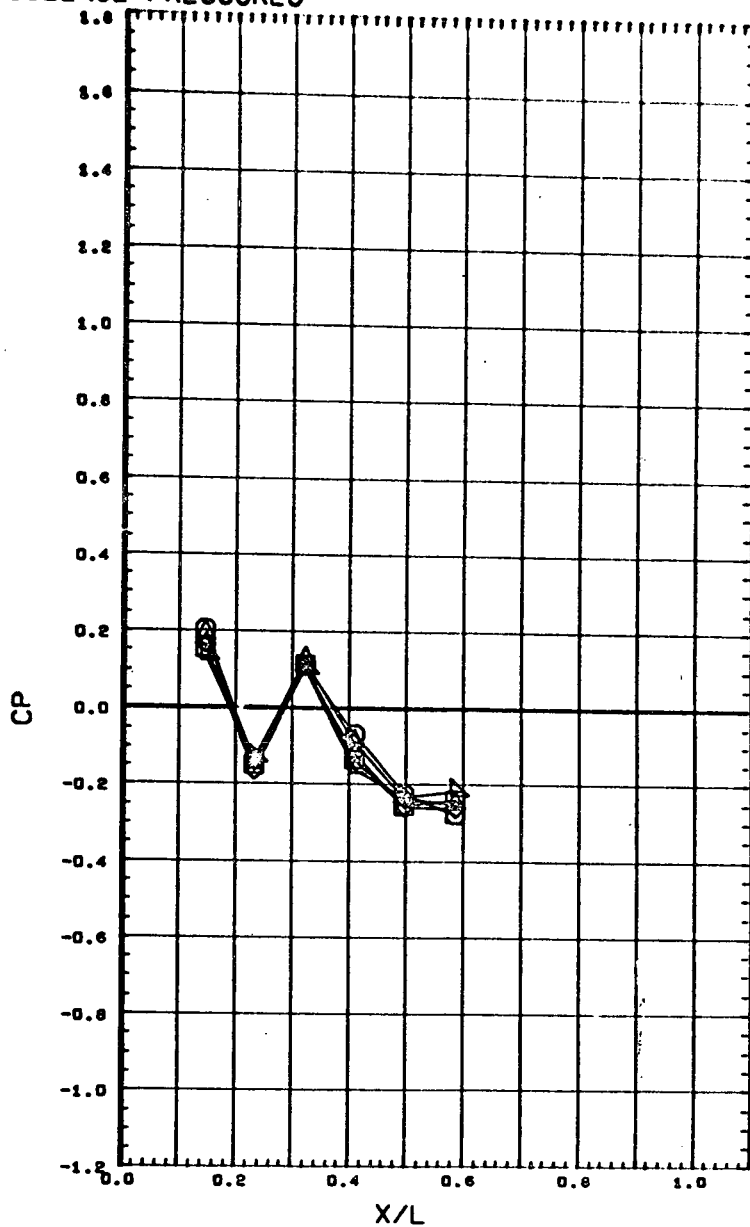
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALPB	Y/B	M1
+	8.325	0.000	1.101
-	6.165	0.076	
-	4.458		
-	2.183		
	0.223		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

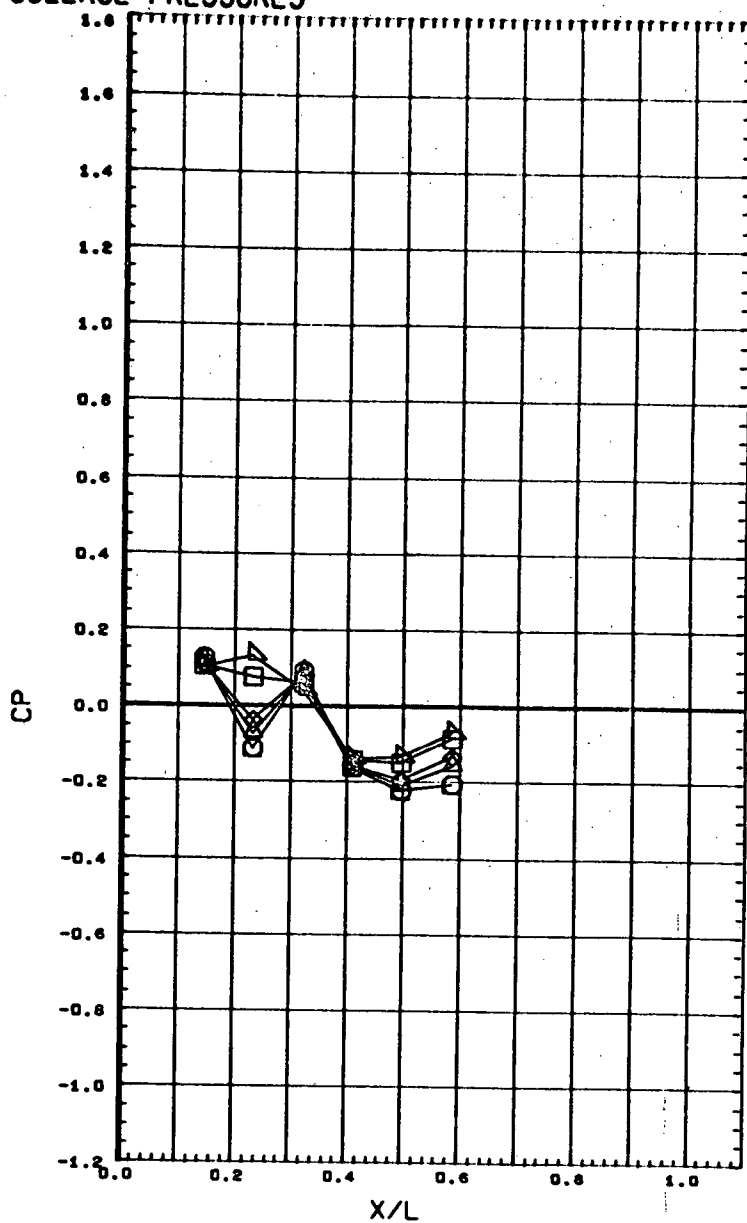
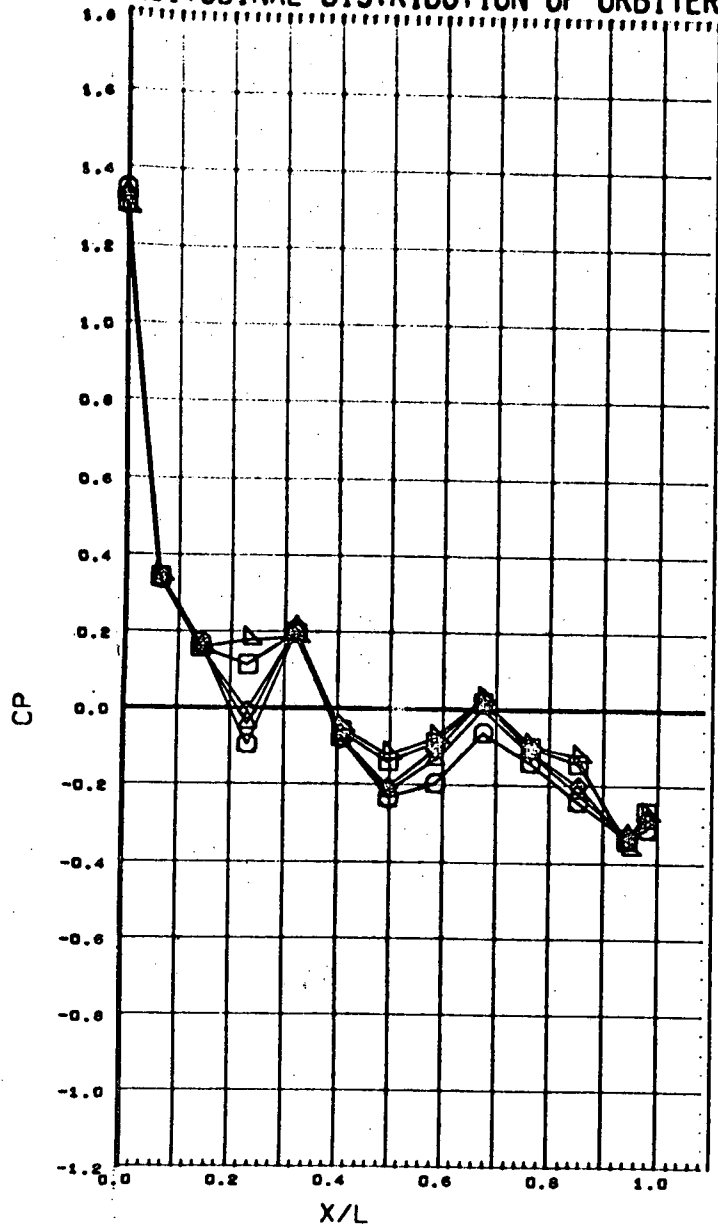


PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

(FTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

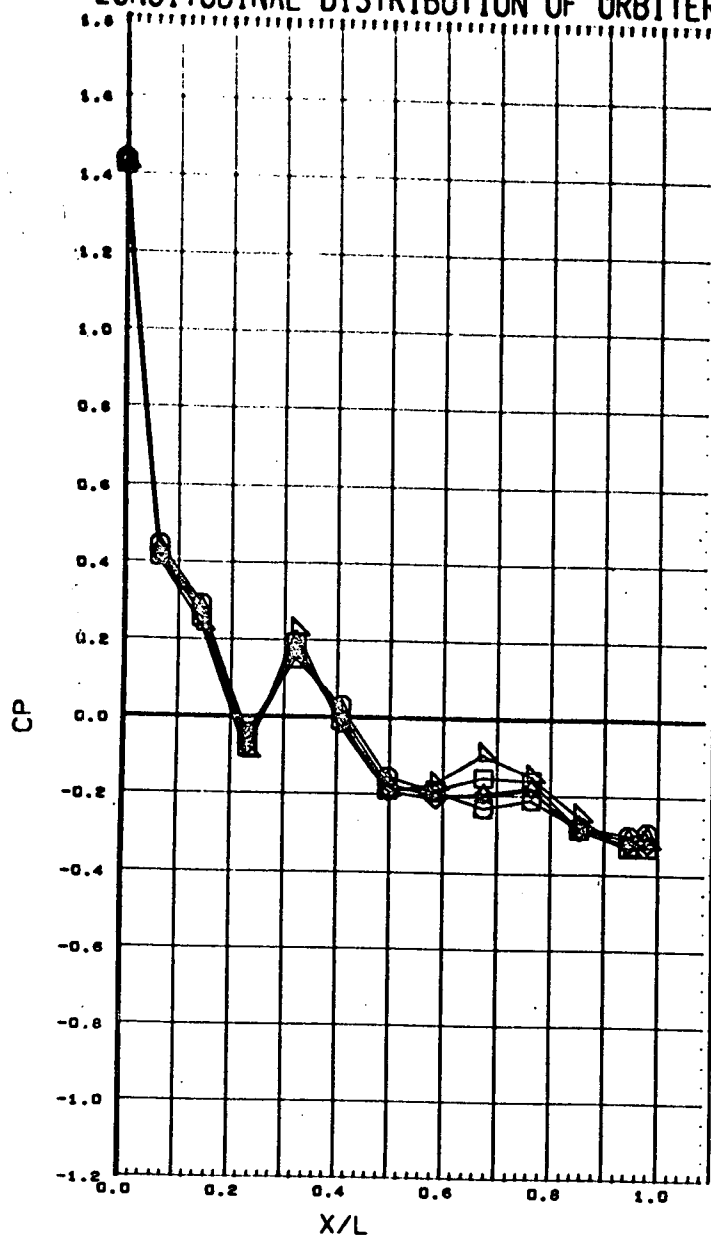


SYMBOL	ALFB	Y/B	M1
○	2.164	0.000	1.101
△	4.173	0.076	
◇	5.536		
□	8.188		
▤	10.145		

REFERENCE FILE

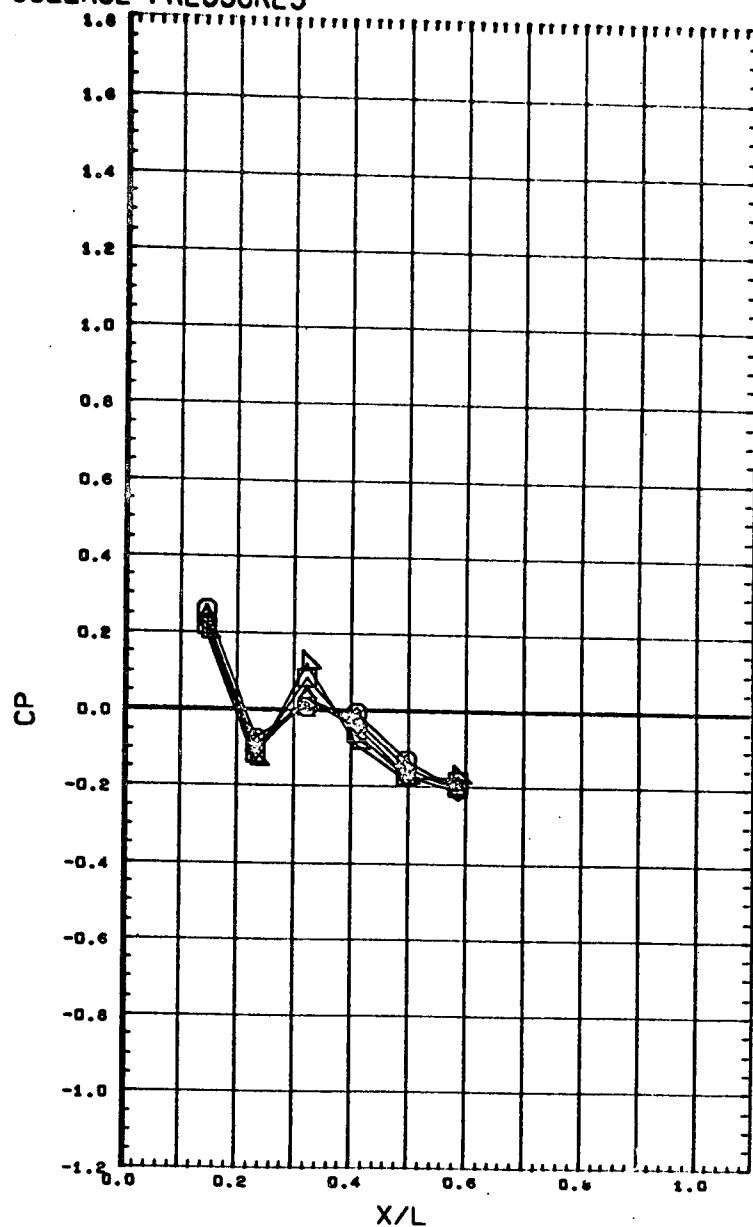
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



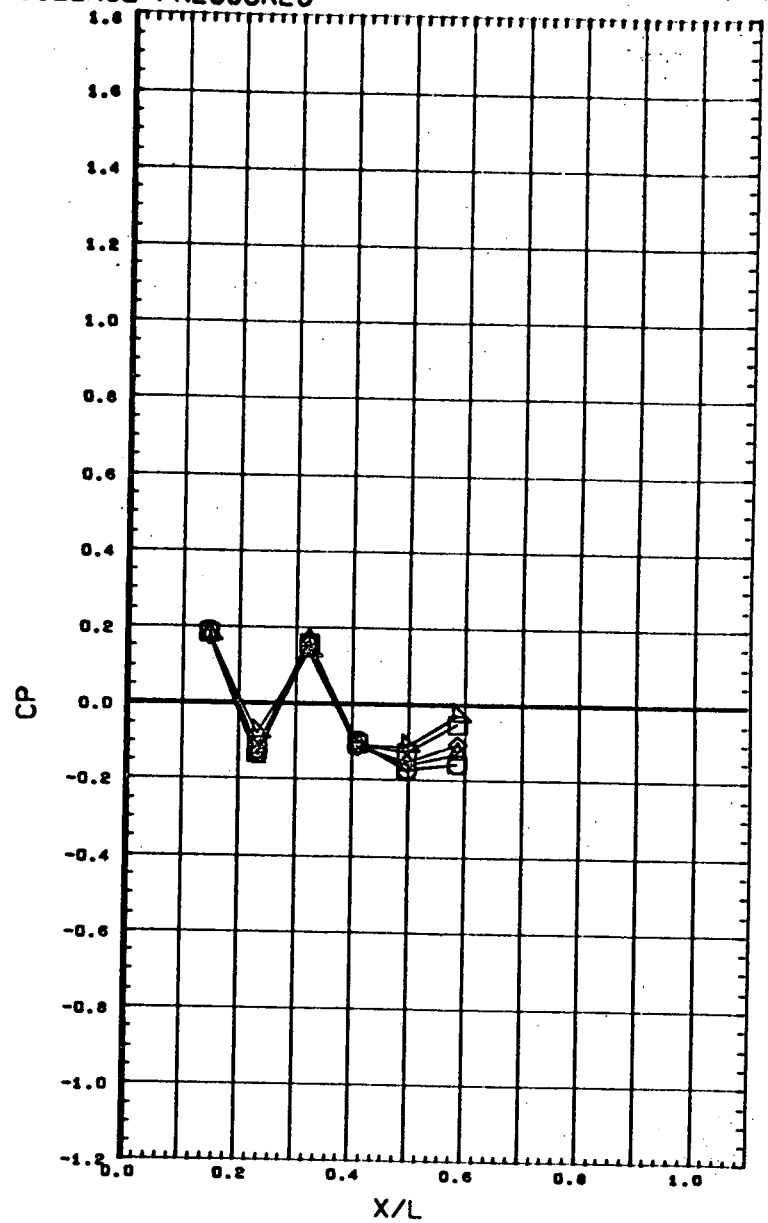
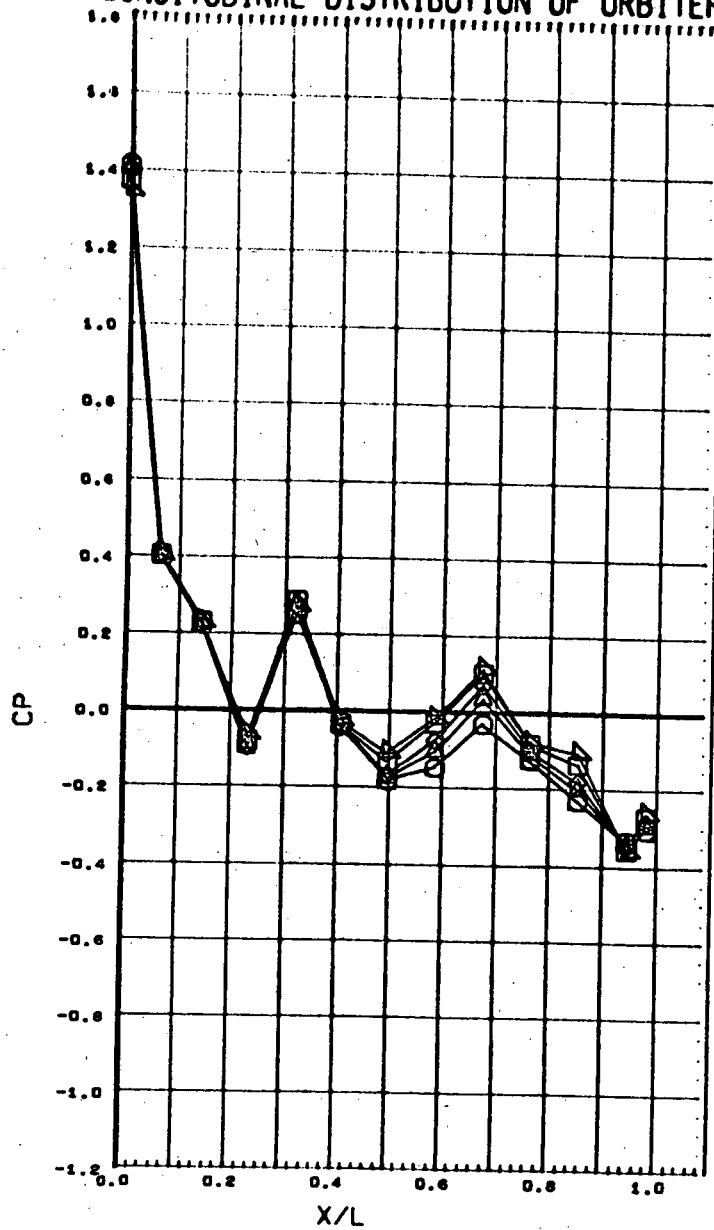
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.000	1.200
△	- 5.757	0.076	
□	- 4.430		
◇	- 2.200		
◇	0.220		

REFERENCE FILE



PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

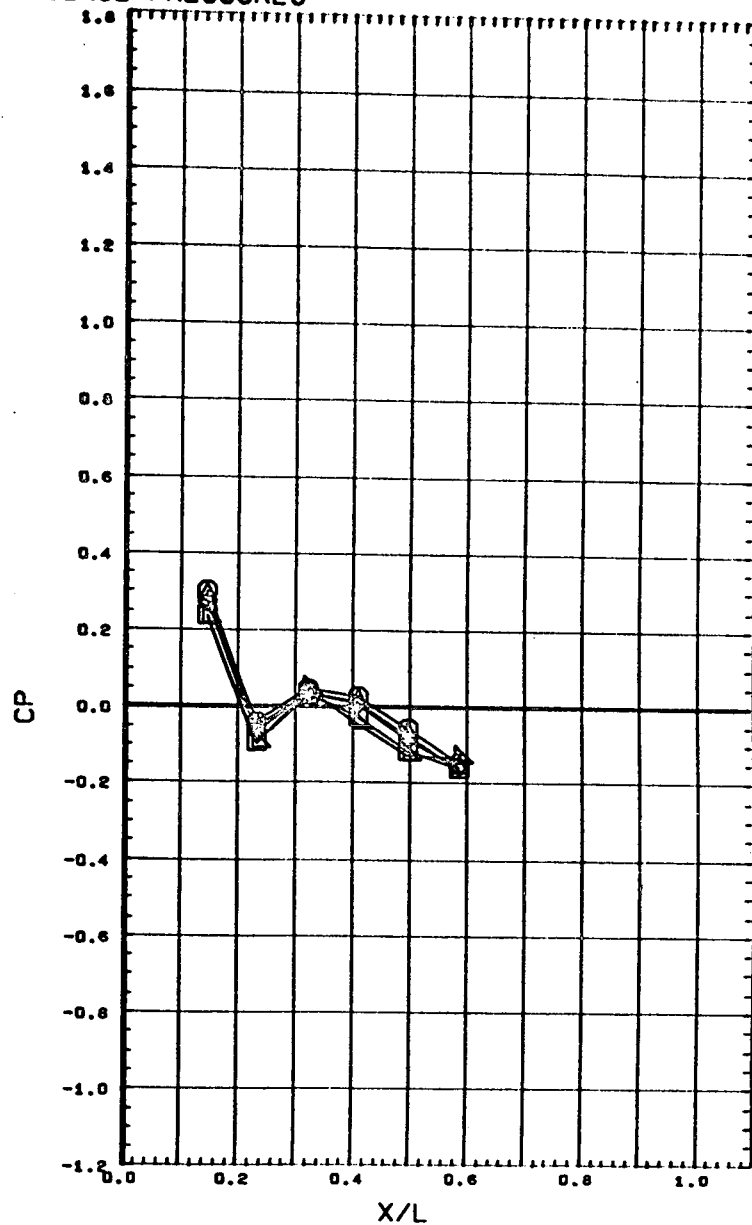
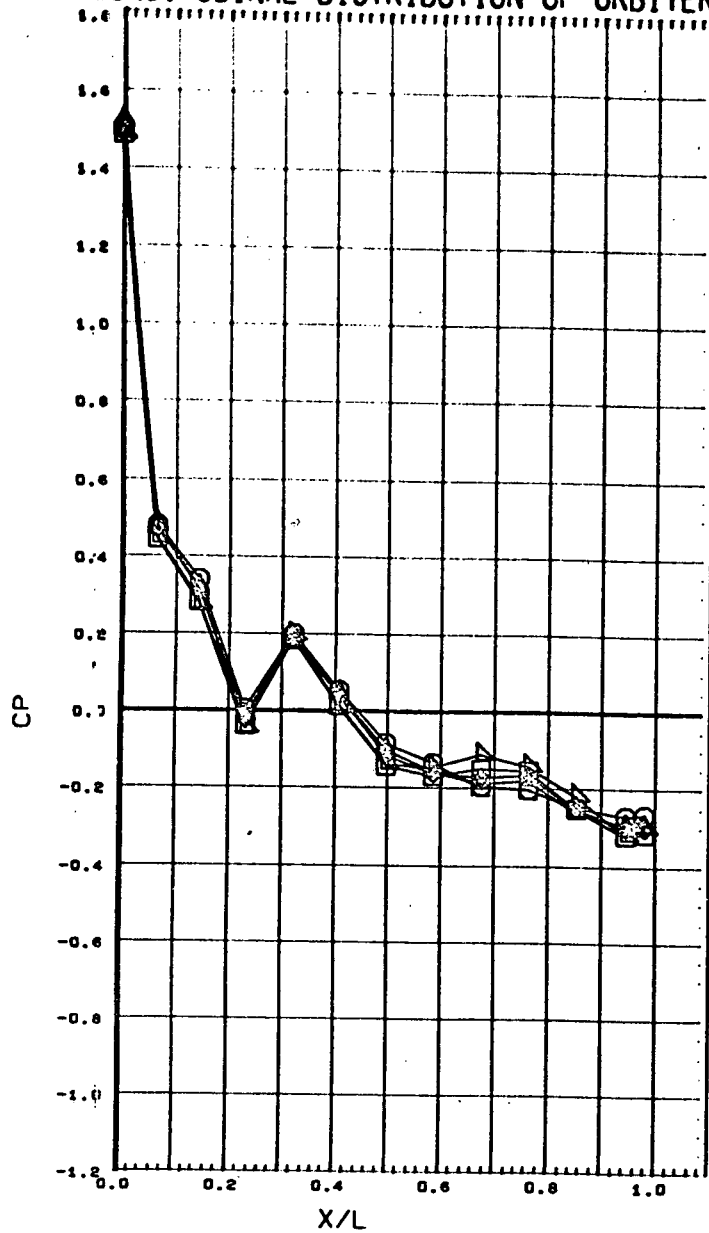


SYMBOL	ALFB	Y/B	M1
○	2.166	0.000	1.200
△	4.175	0.076	
◇	5.534		
□	8.199		
▽	10.165		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

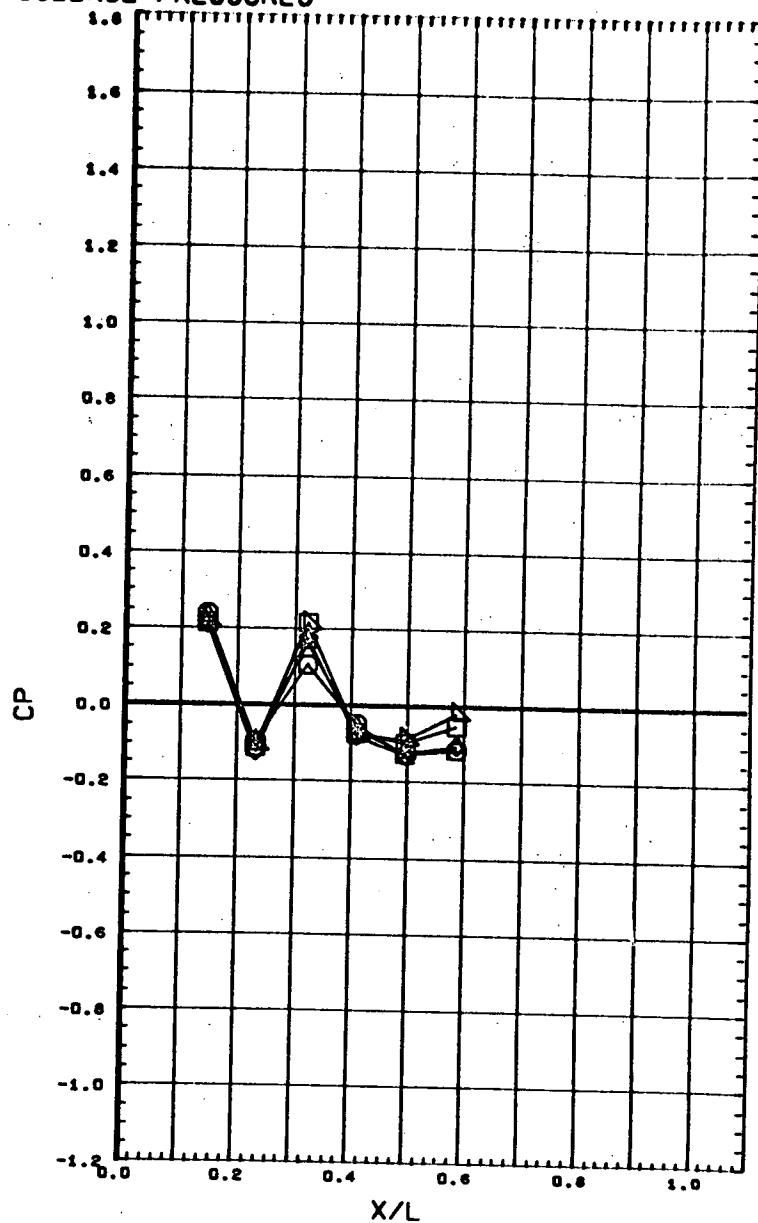
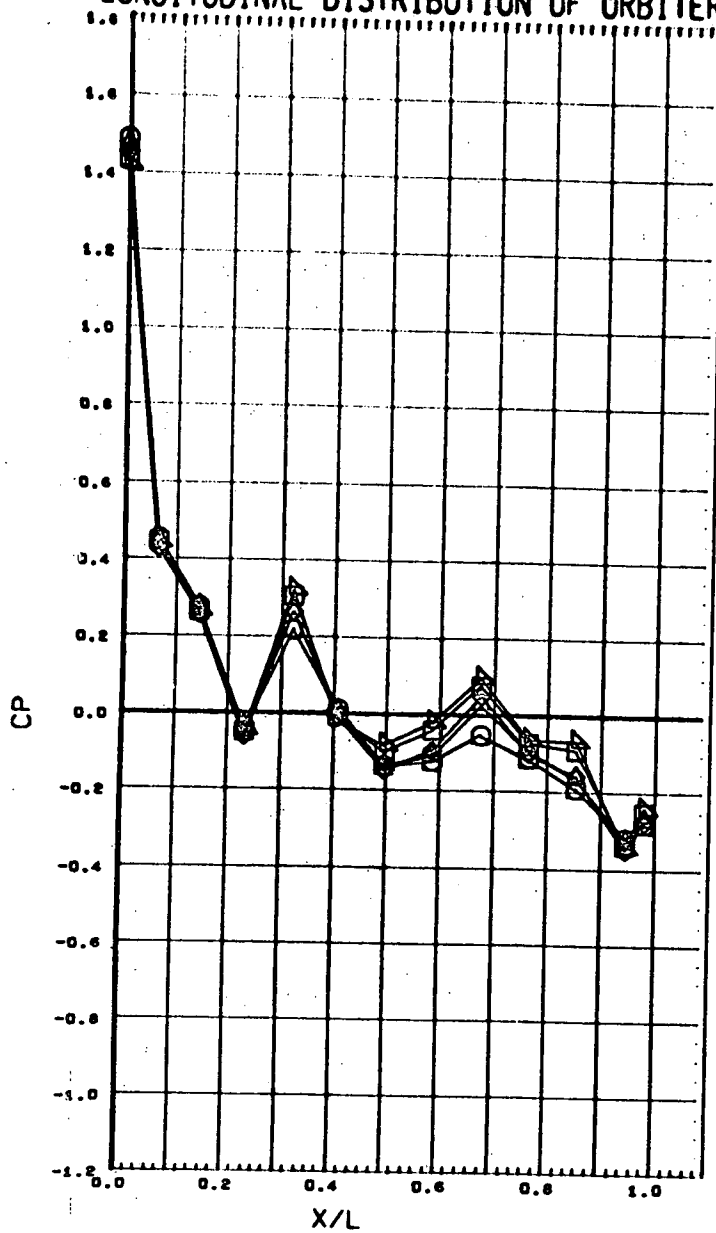


SYMBOL	ALFB	Y/B	M1
○	- 8.324	0.000	1.300
△	- 5.757	0.076	
◇	- 4.435		
□	- 1.782		
▽	0.167		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

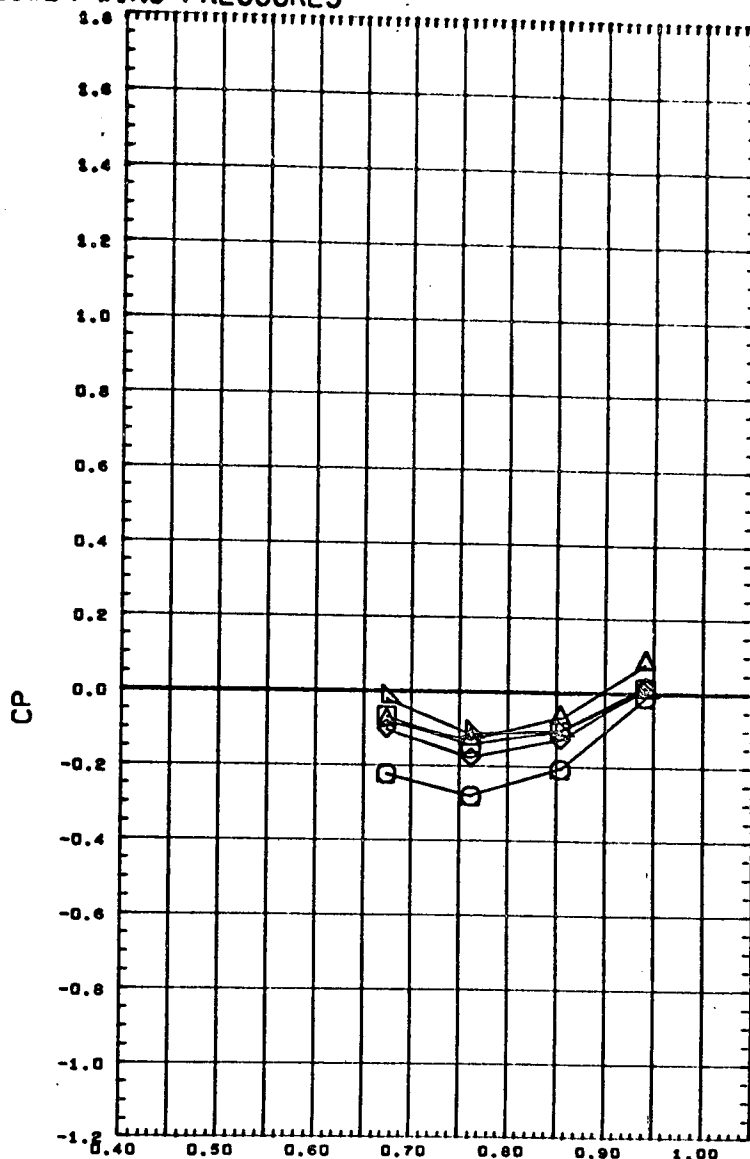
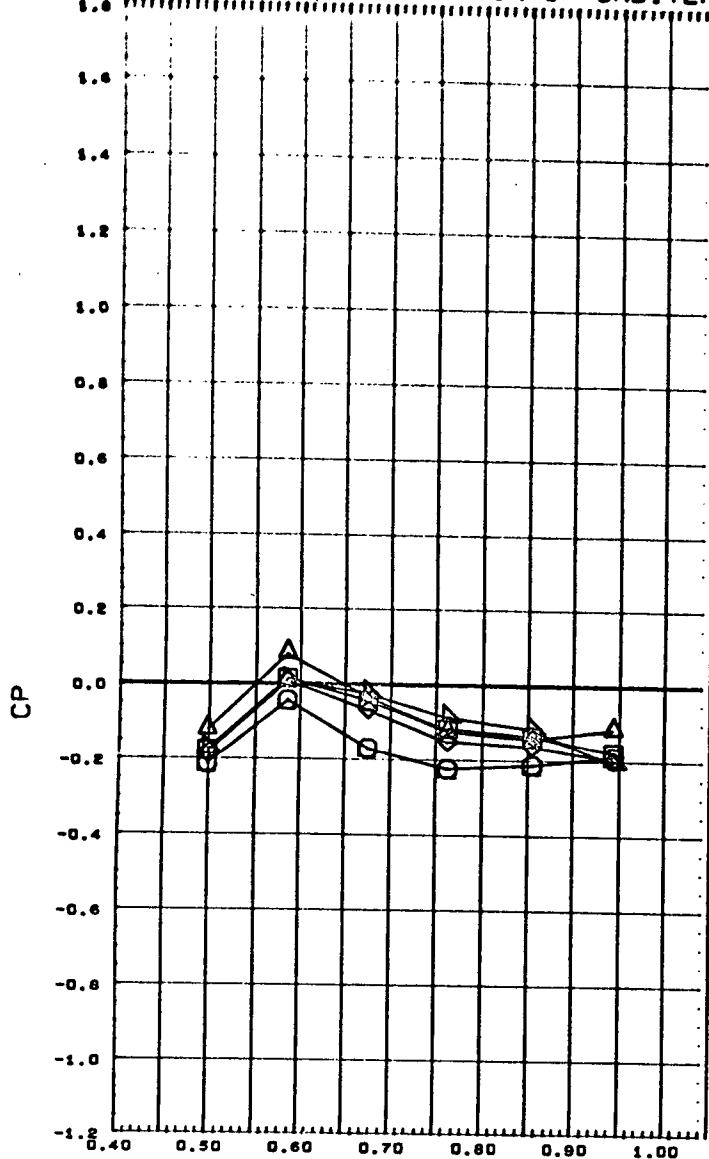


SYMBOL	ALFB	Y/B	M1
△	2.176	0.000	1.300
◇	4.176	0.076	
◊	5.526		
◈	8.201		
◉	10.165		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

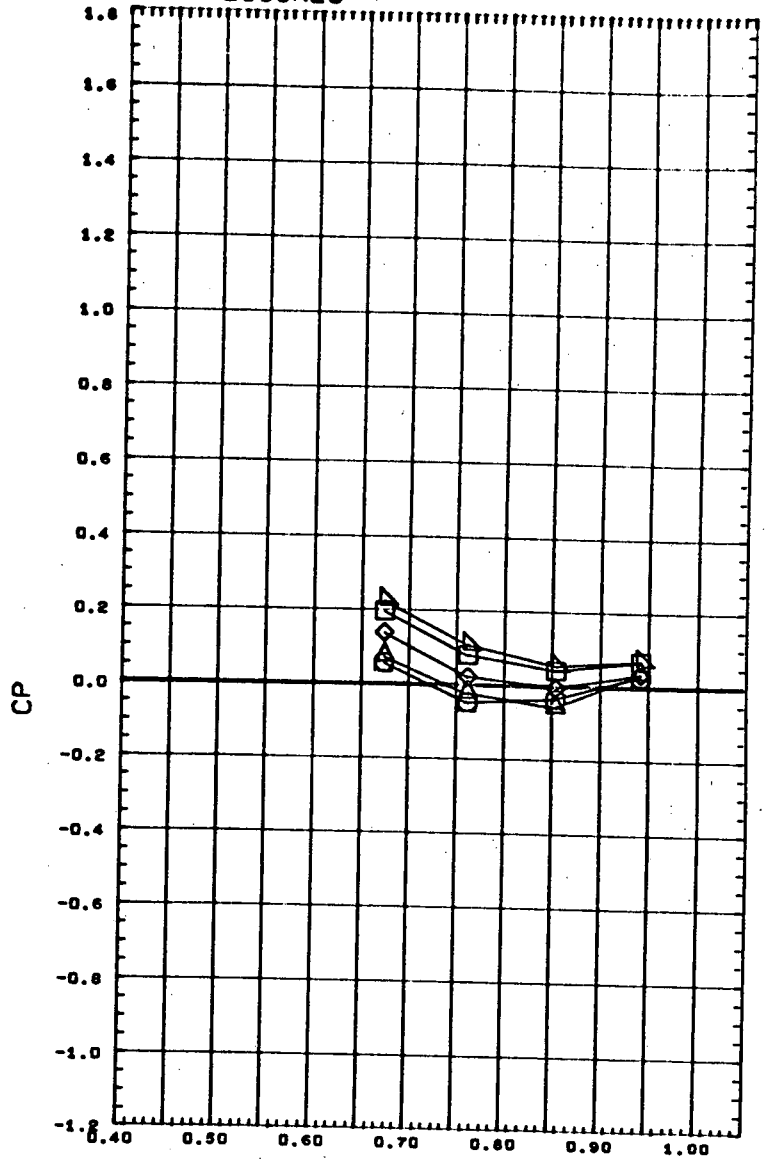
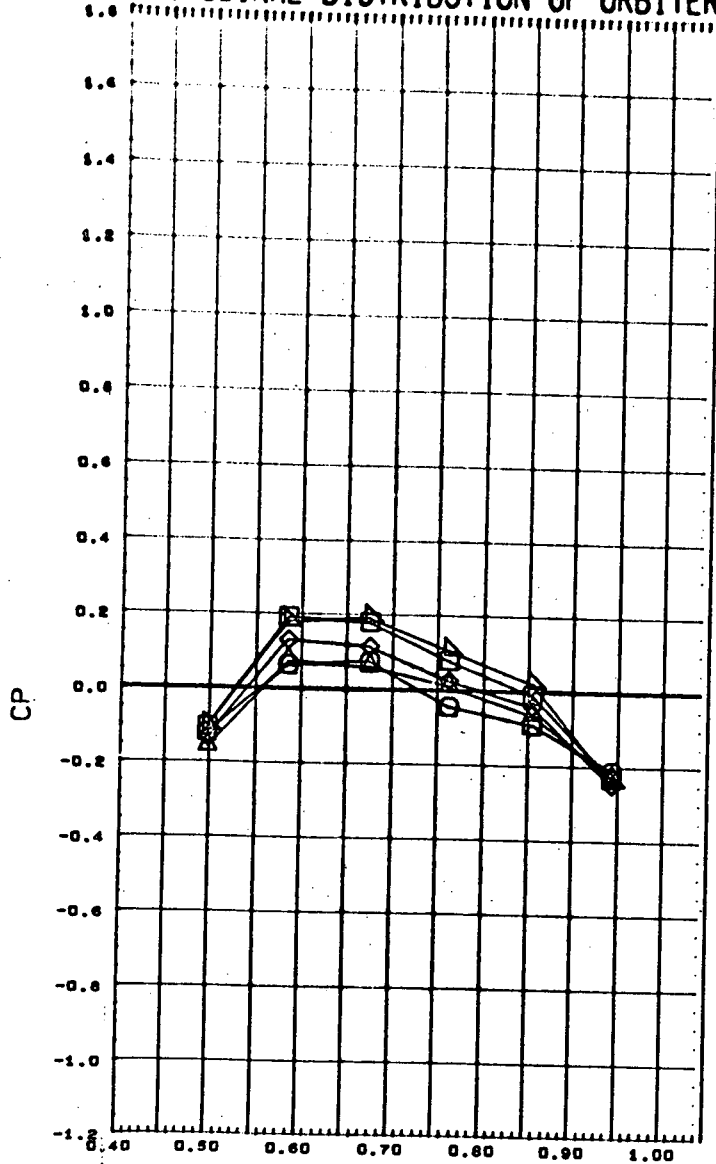


SYMBOL	ALFB	Y/B	M1
△	8.140	0.230	0.597
○	5.877	0.399	
◇	3.890		
□	2.290		
▽	0.129		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

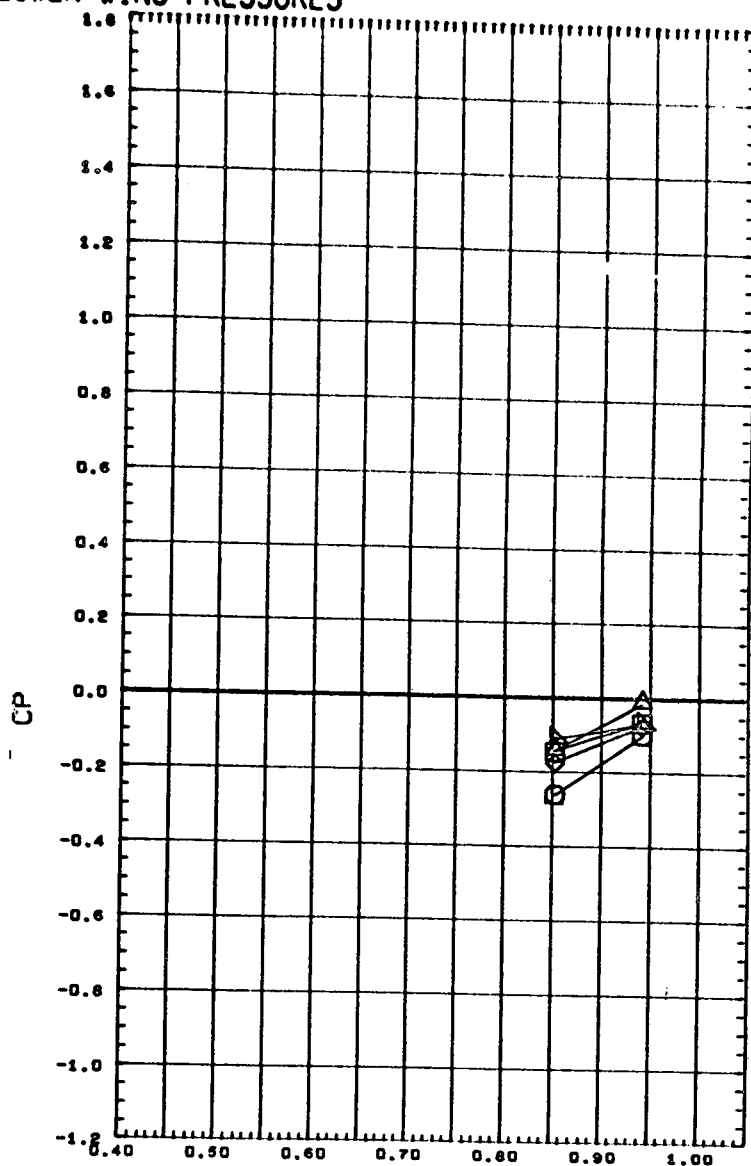
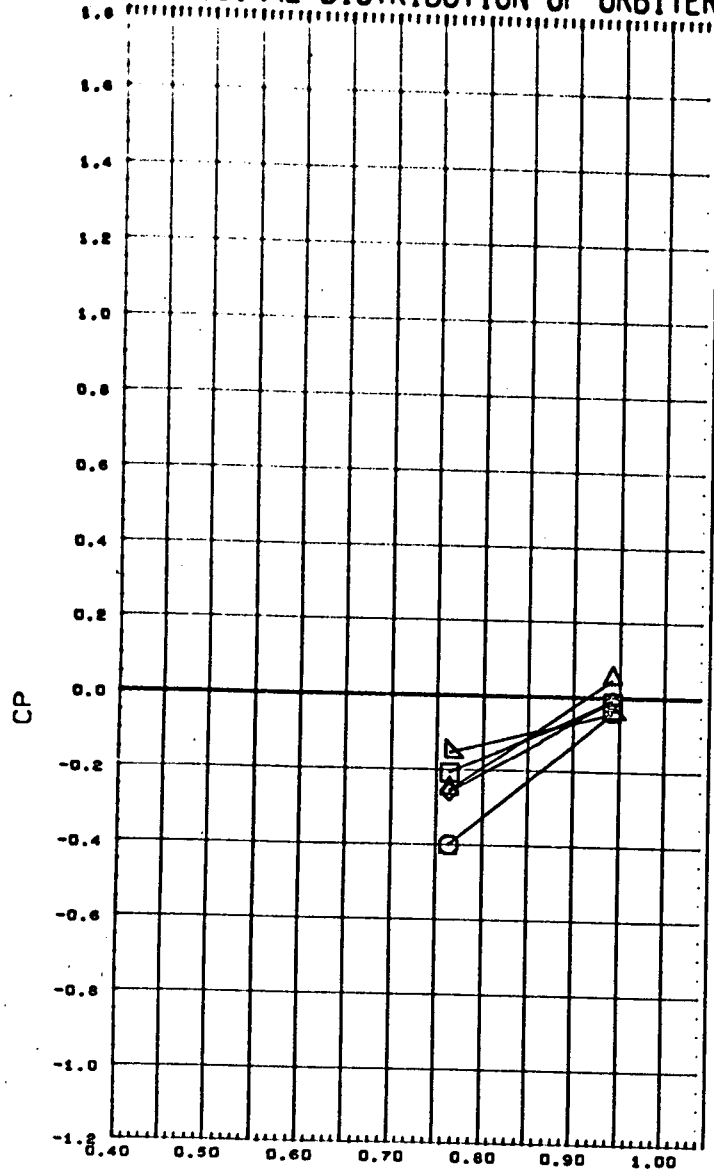


SYMBOL	ALFB	Y/B	M1
△	2.108	0.230	0.597
◇	4.102	0.399	
□	6.080		
◇	7.688		
△	10.114		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	
1	0.000	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
△	8.140	0.568	0.597
□	5.877	0.738	
◇	3.890		
○	2.290		
	0.129		

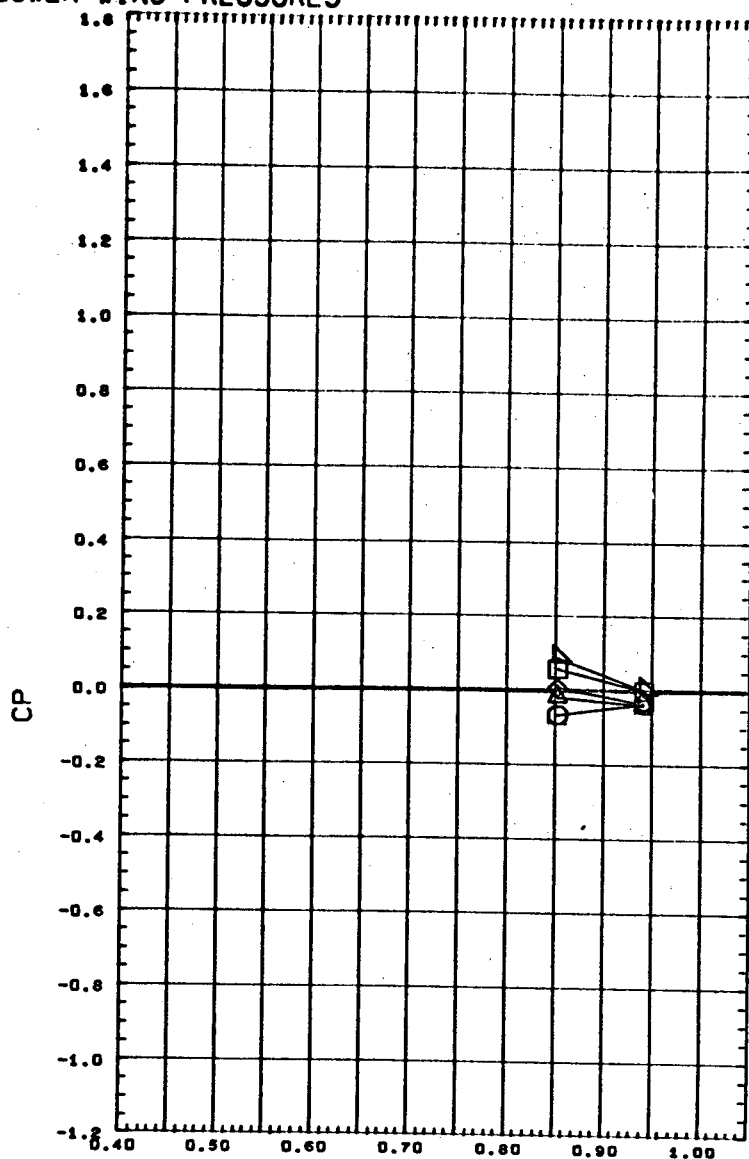
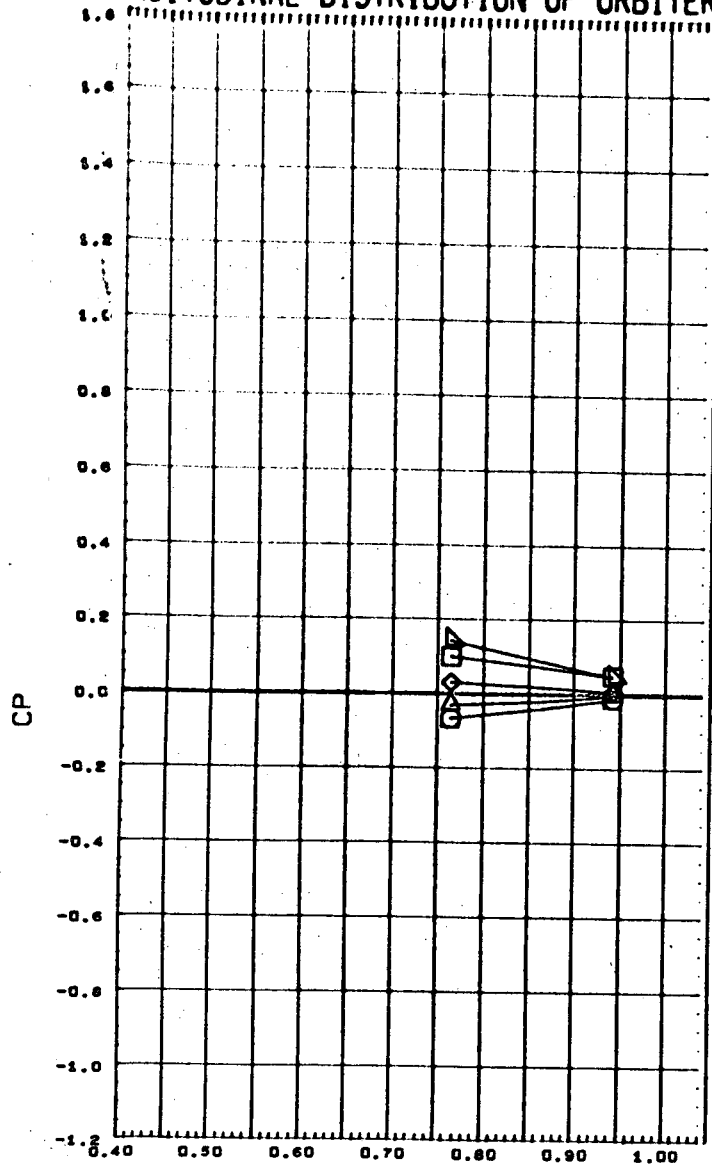
REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

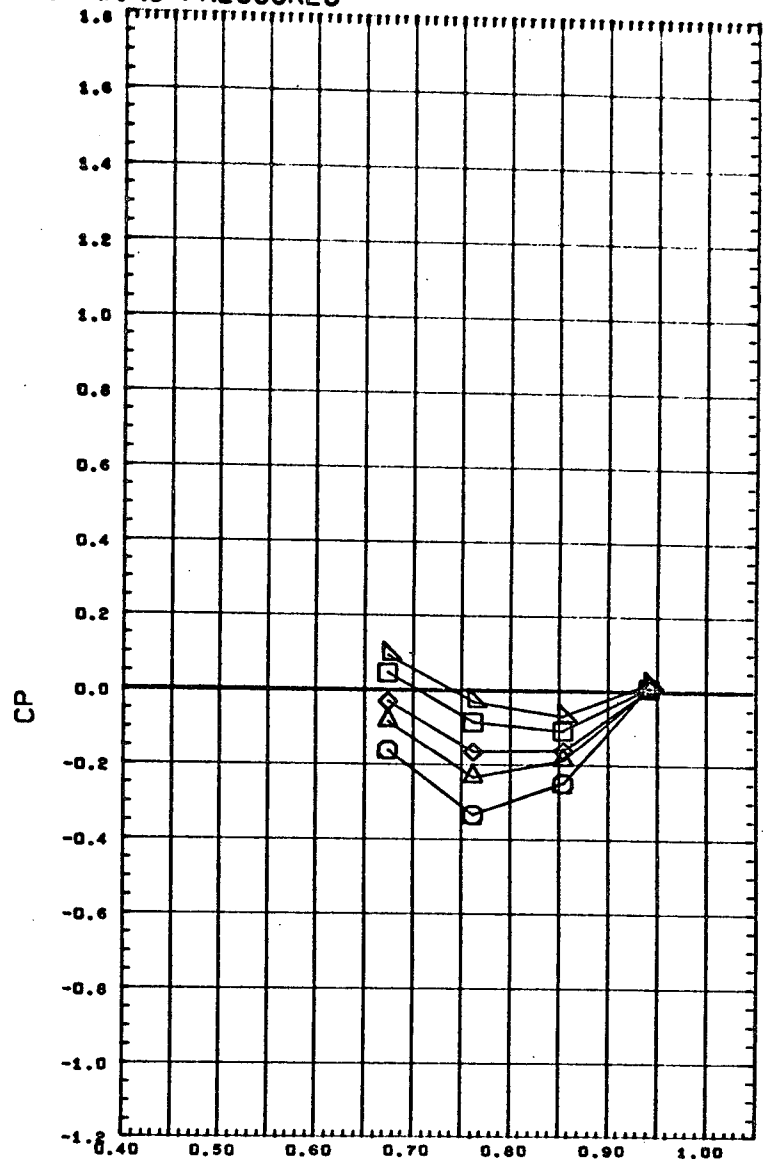
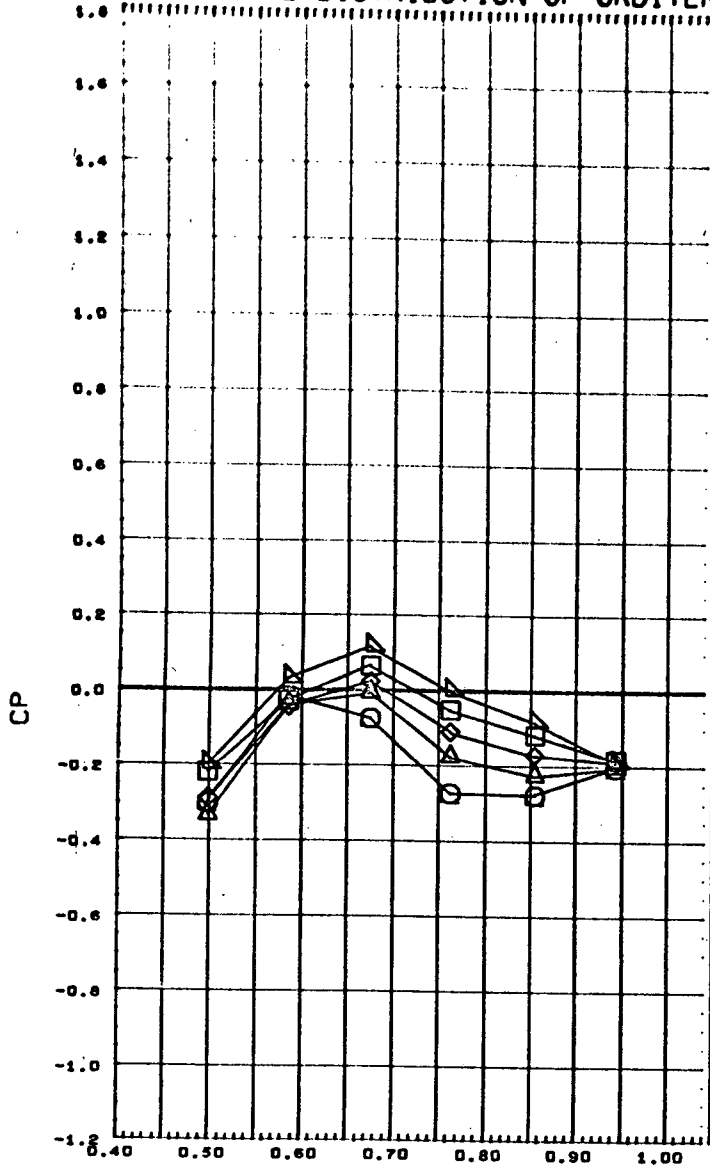


SYMBOL	ALFB	Y/B	X/L
□	2.108	0.568	0.597
◇	4.102	0.738	
△	6.080		
○	7.688		
+	10.114		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	OX/L	
I	0.000	0.000	0.036	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

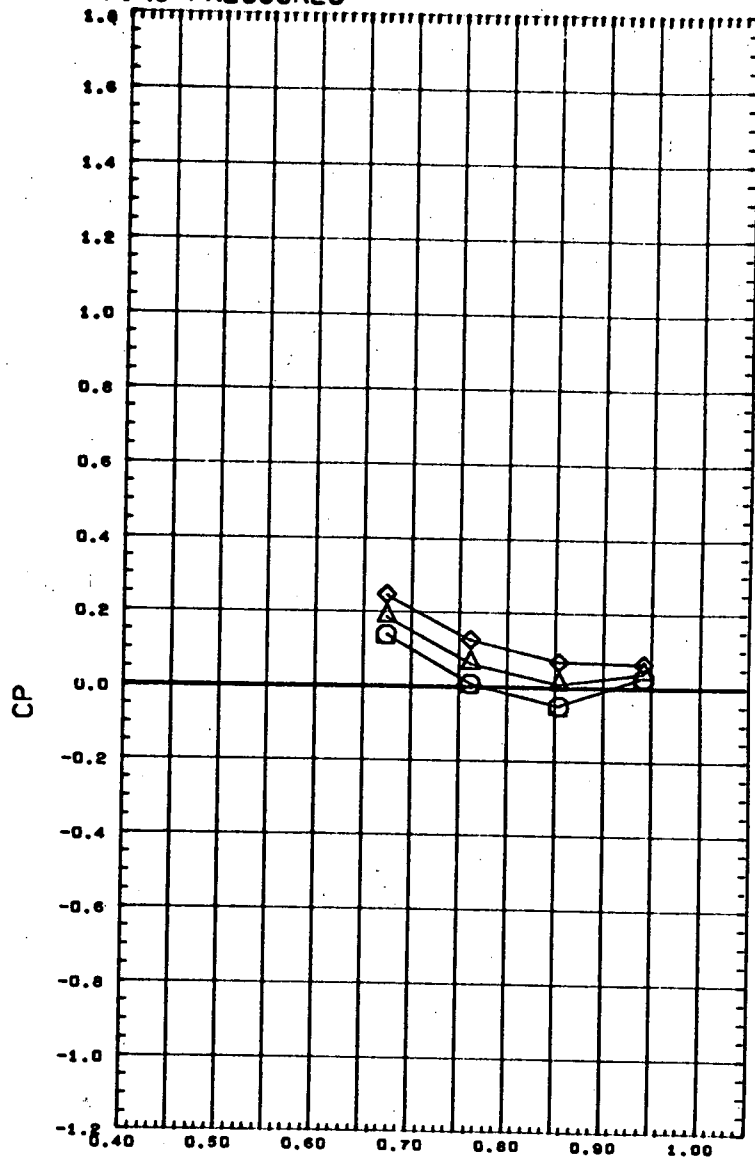
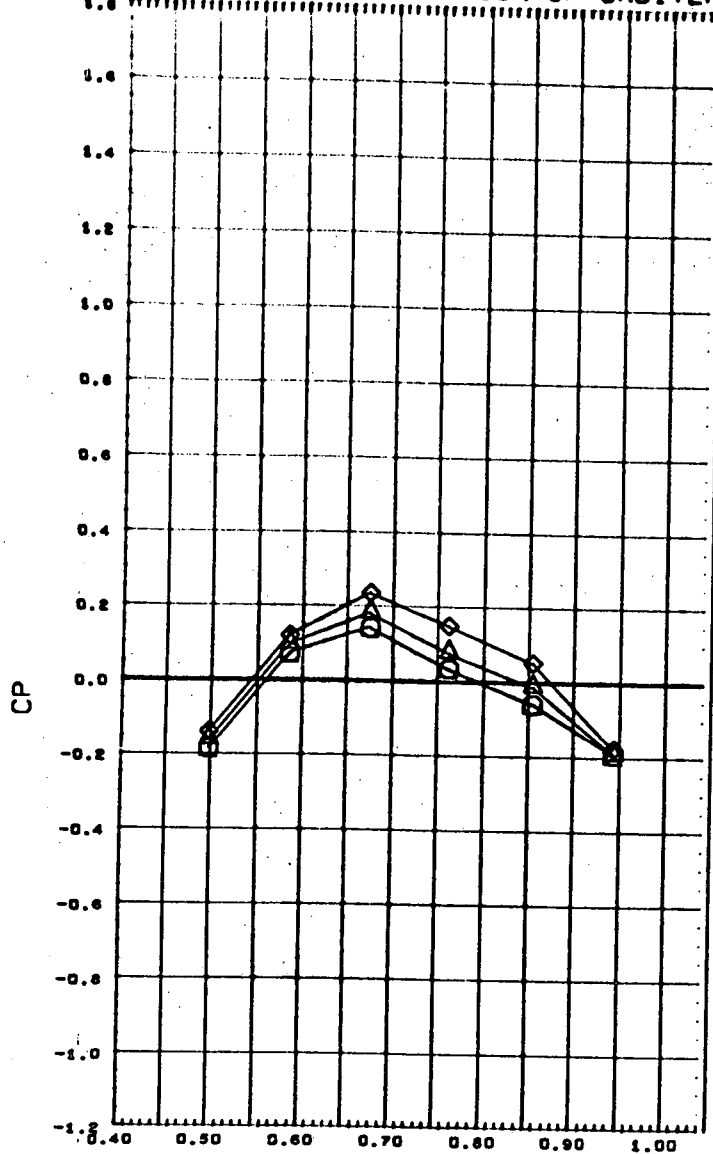


SYMBOL	ALFB	Y/B	M1
○	- 8.280	0.230	0.899
△	- 4.452	0.399	
◇	- 2.200		
□	0.193		
▢	2.085		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	0.000
DX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	3.719	0.230	0.899
△	6.154	0.399	
◇	10.121		

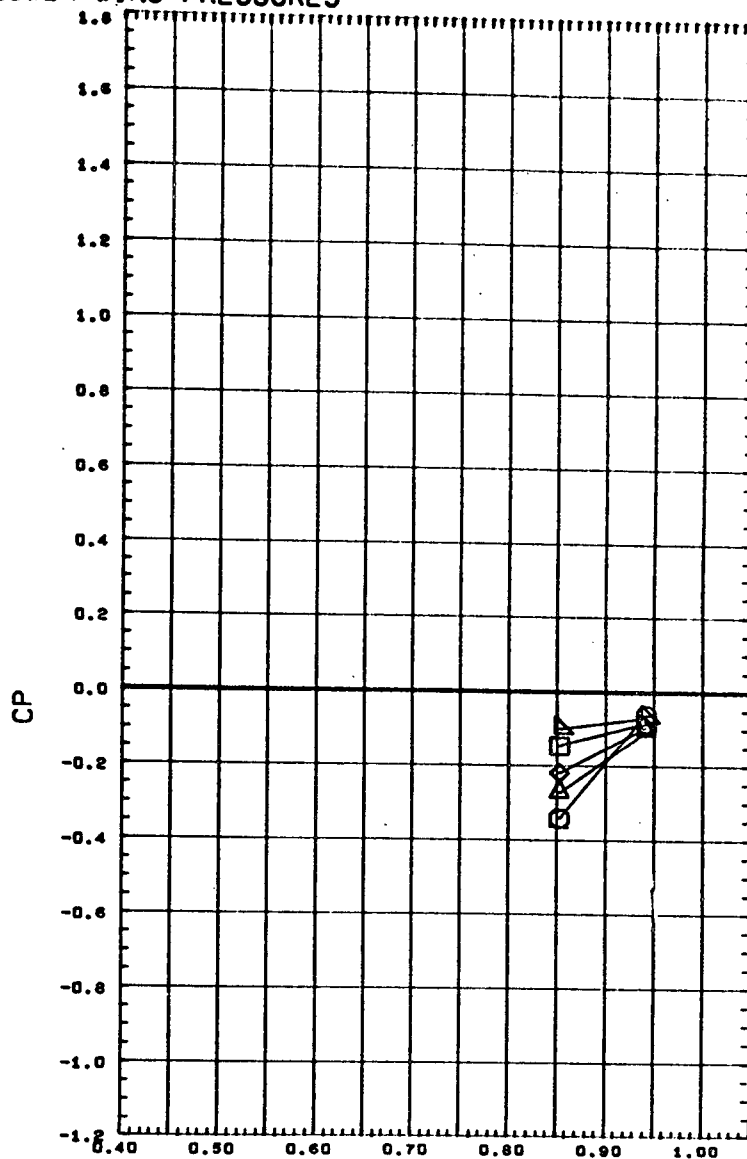
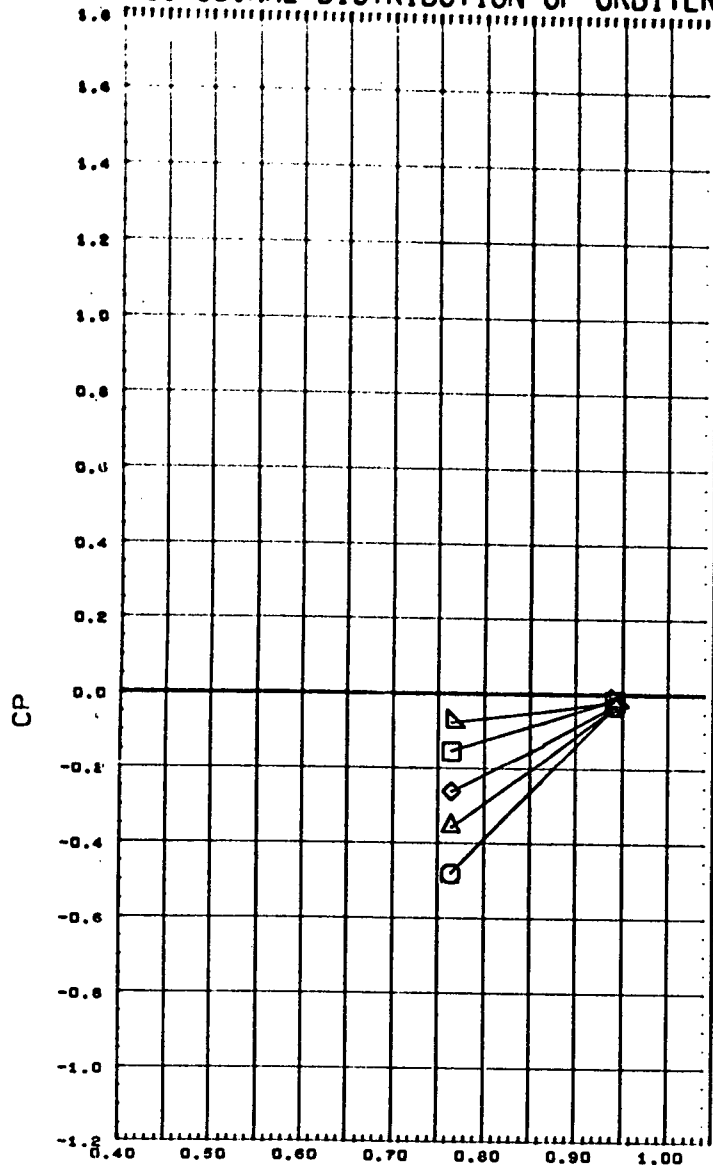
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I	0.000
DX/L	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

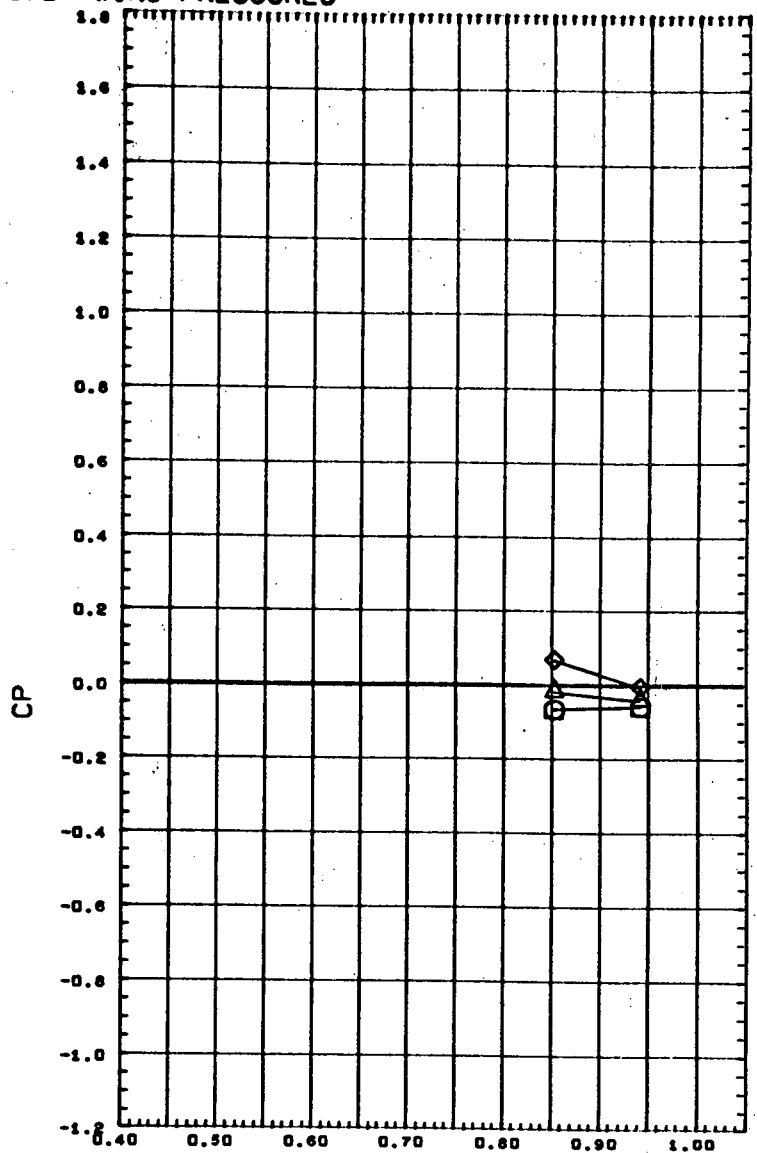
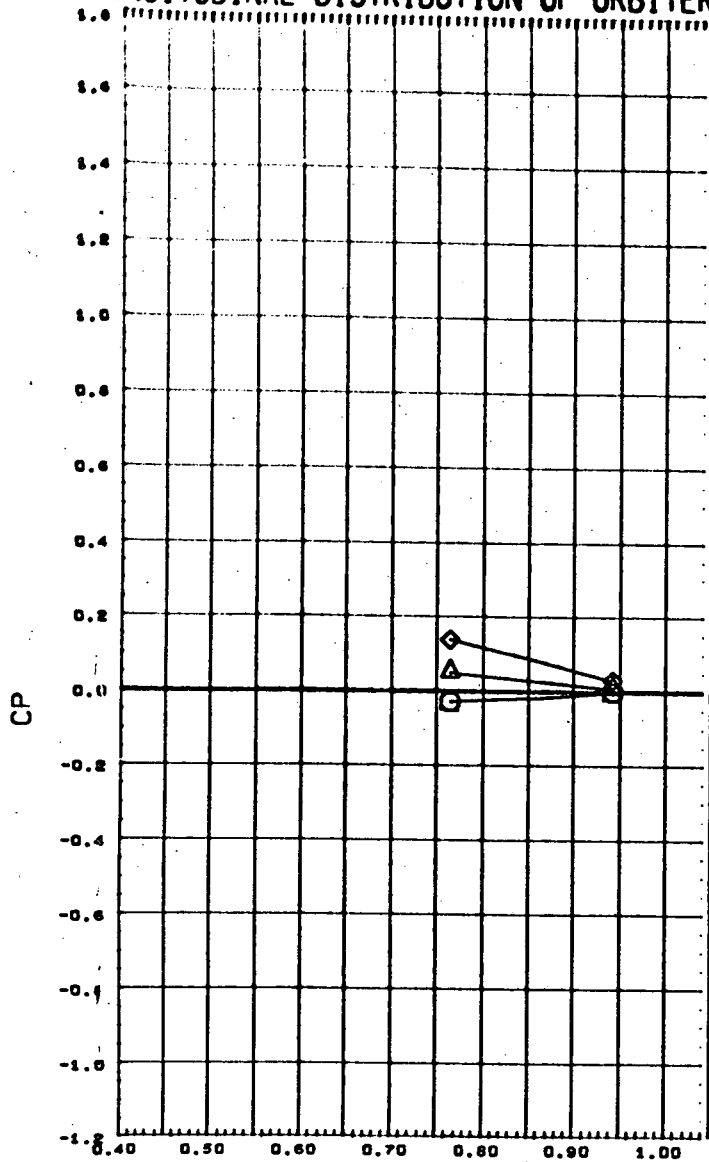


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.280	0.568	0.899
◇	- 4.452	0.738	
□	- 2.200		
△	0.193		
▽	2.085		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	3.719	0.568	0.899
△	6.154	0.738	
◇	10.121		

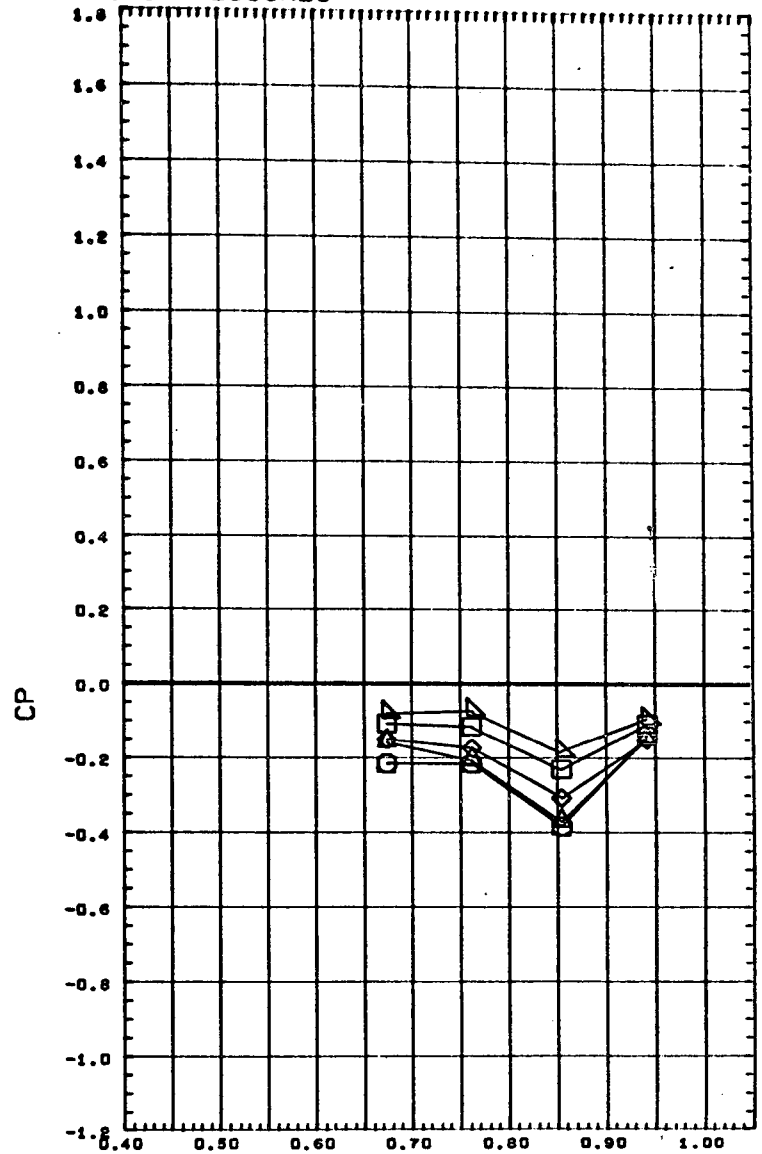
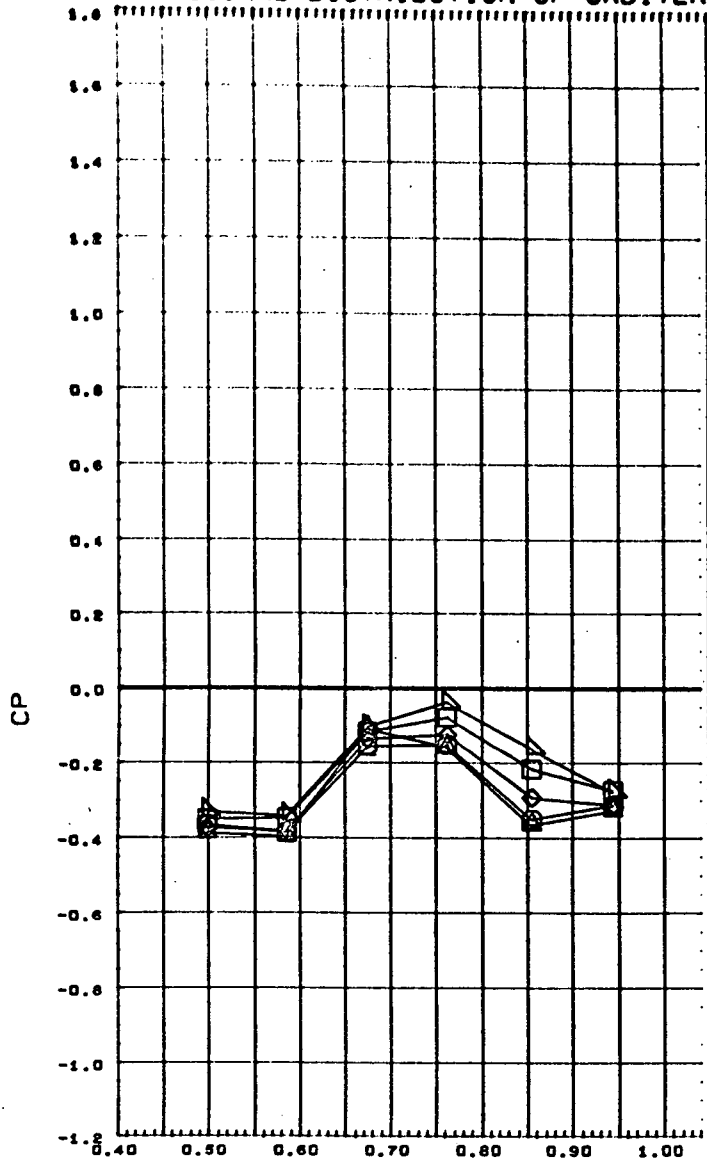
BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

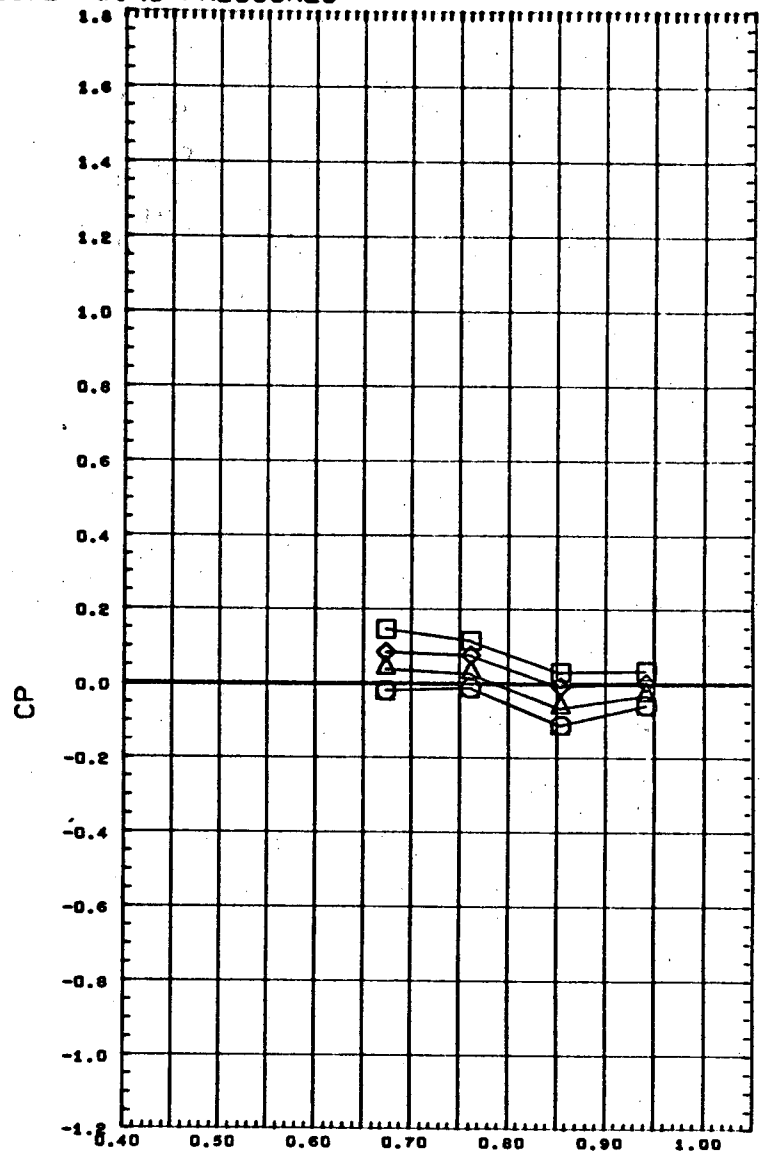
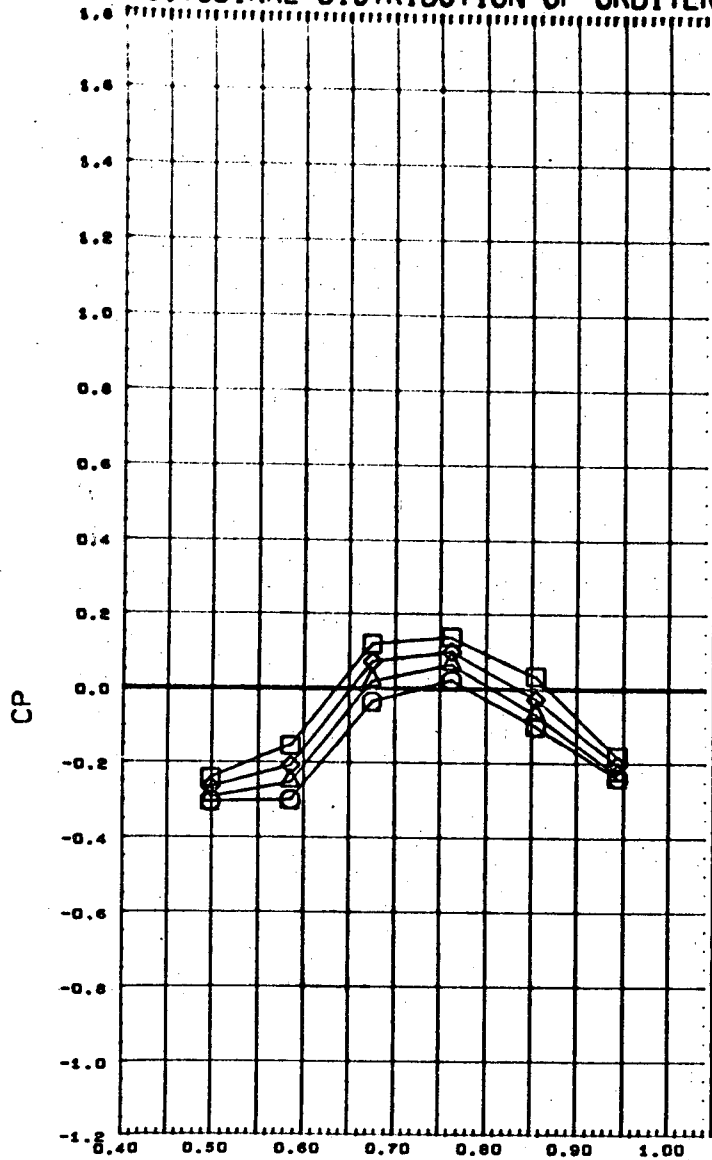


X/L			
SYMBOL	ALFB	Y/B	M1
○	6.158	0.230	0.995
△	4.439	0.399	
◇	2.197		
□	0.217		
▽	2.165		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	4.157	0.230	0.995
△	6.136	0.399	
◇	7.548		
□	9.756		

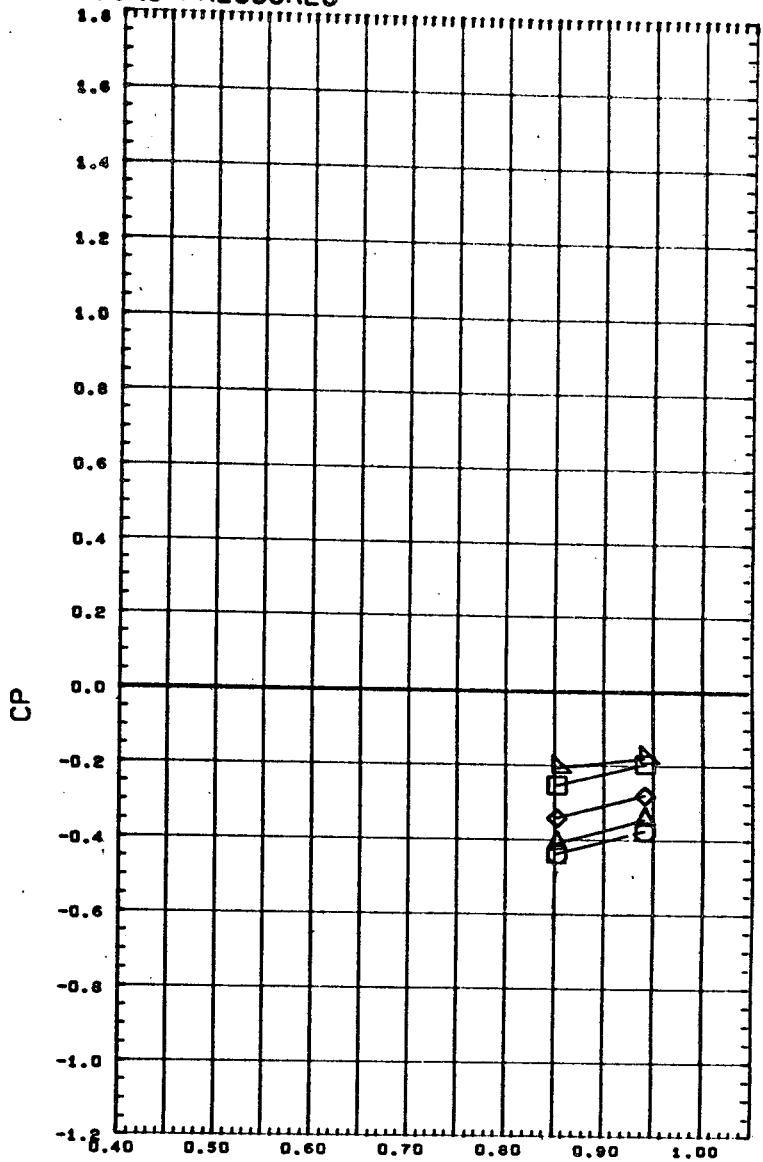
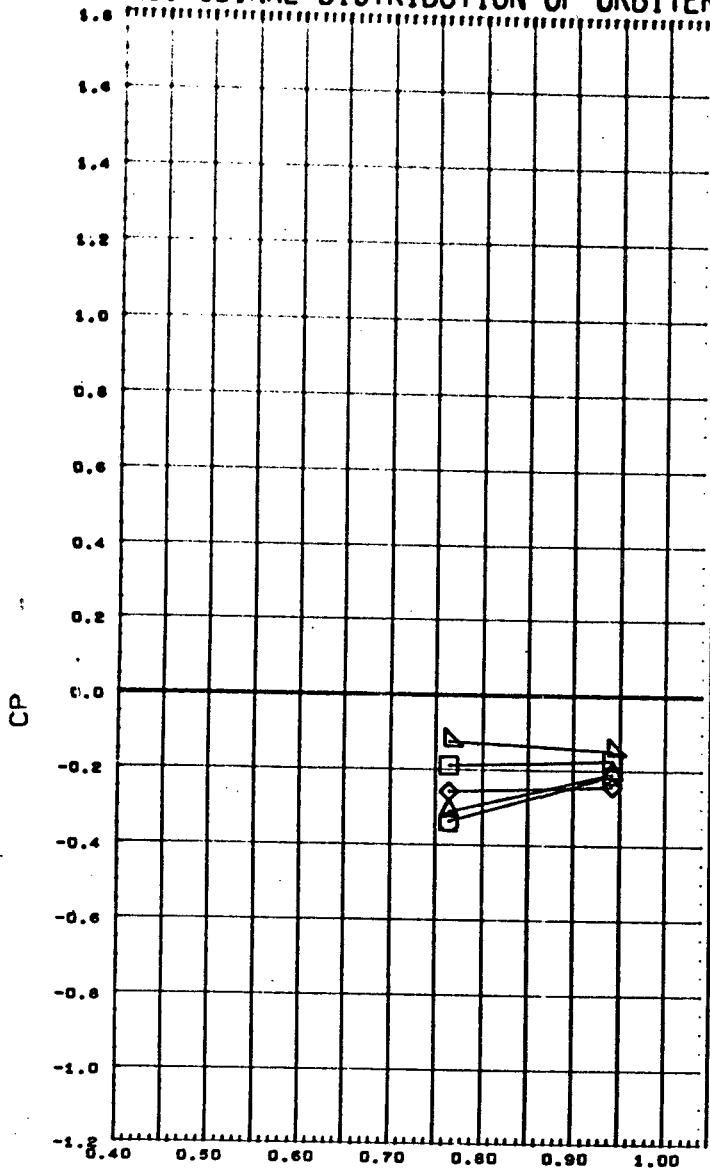
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AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC005)

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

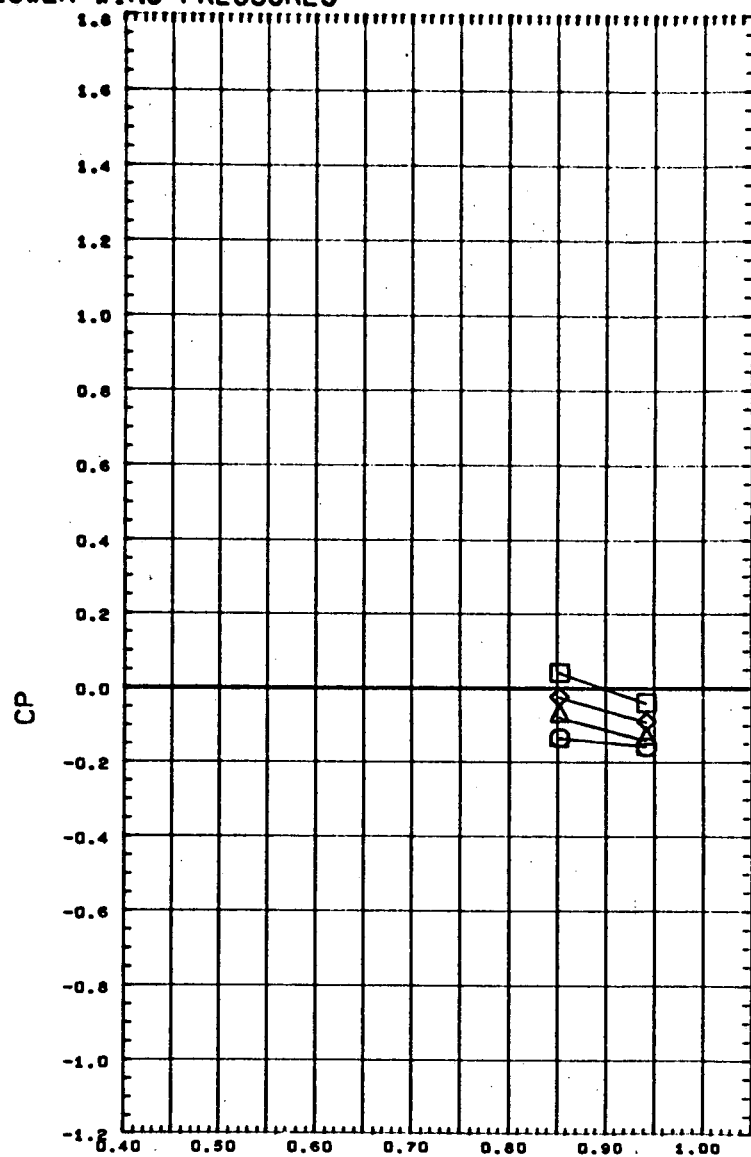
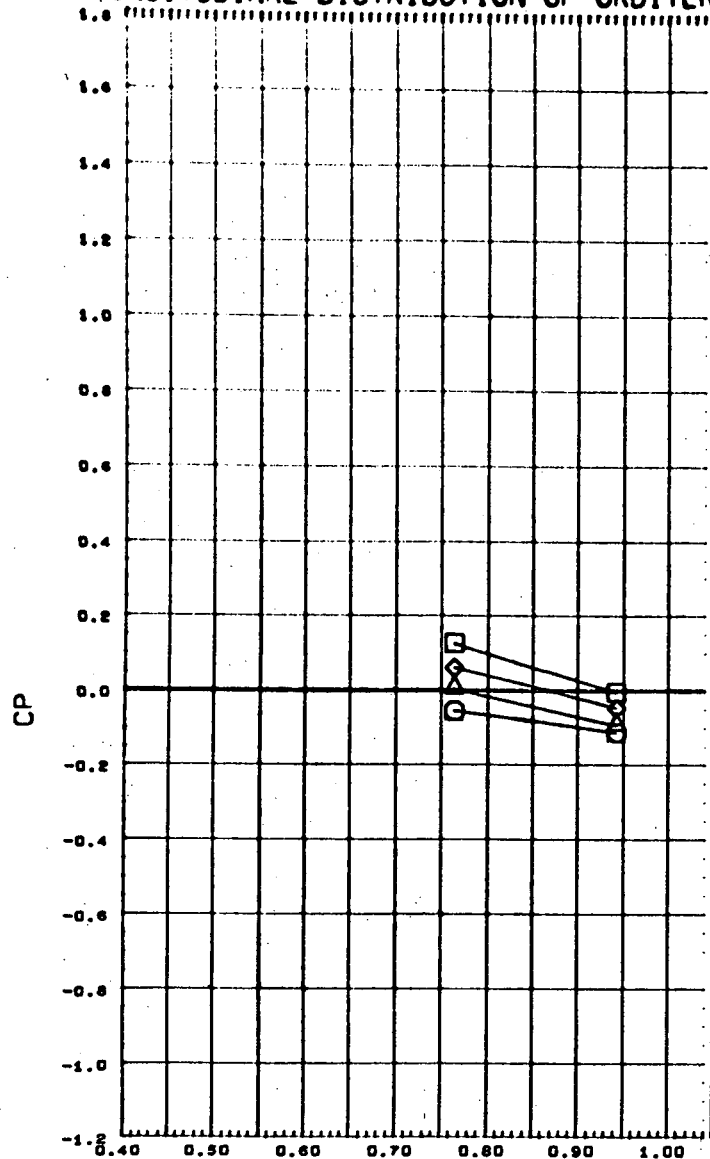


X/L			
SYMBOL	ALFB	Y/B	M1
○	6.158	0.568	0.995
◇	4.439	0.738	
△	2.197		
□	0.217		
	2.165		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

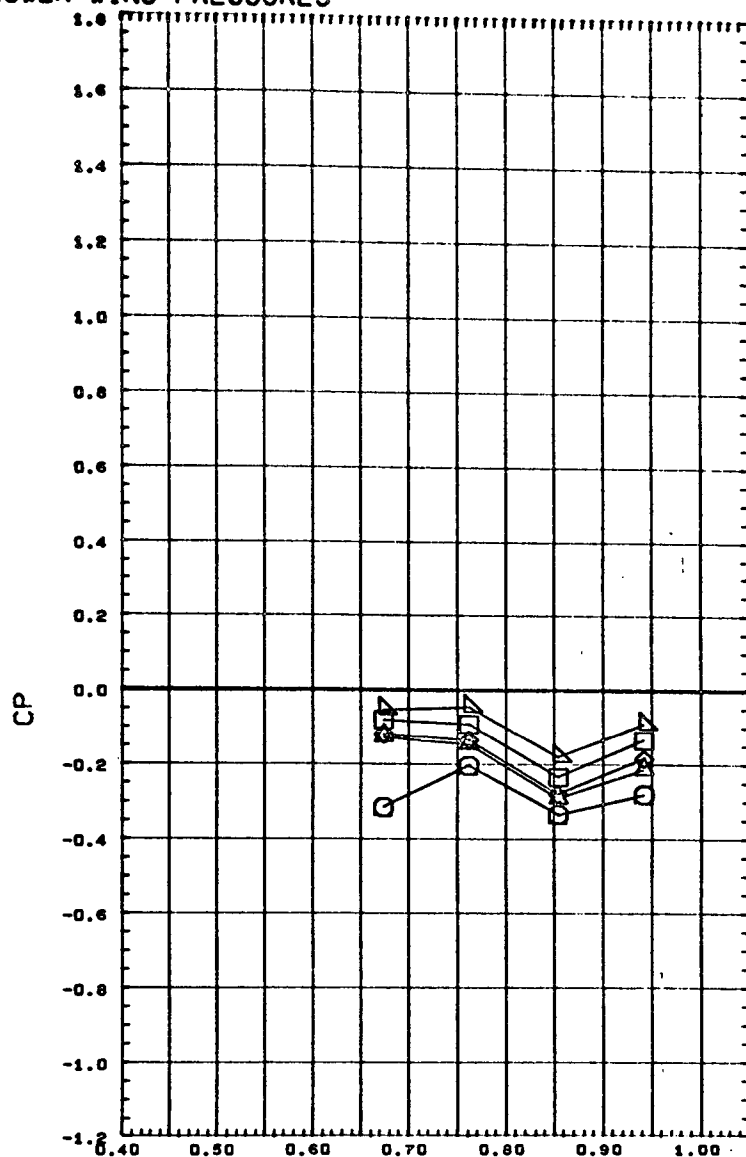
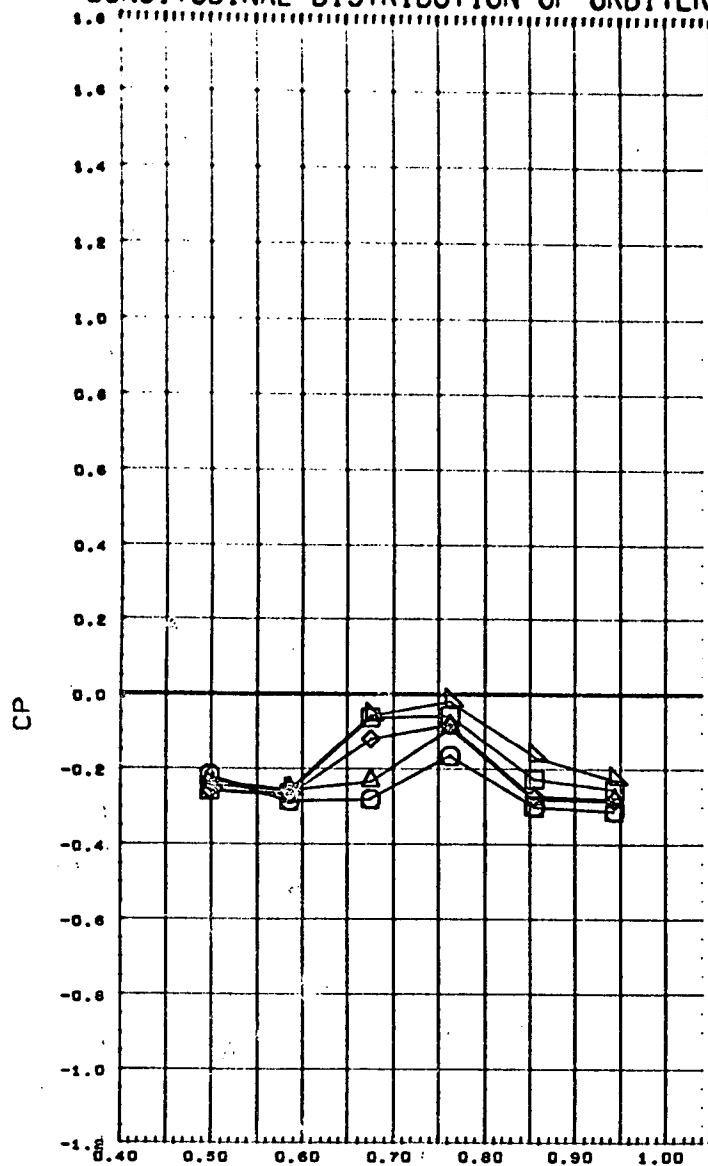


SYMBOL	ALFB	Y/B	M1
○	4.157	0.568	0.995
△	6.136	0.738	
◇	7.548		
□	9.756		

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

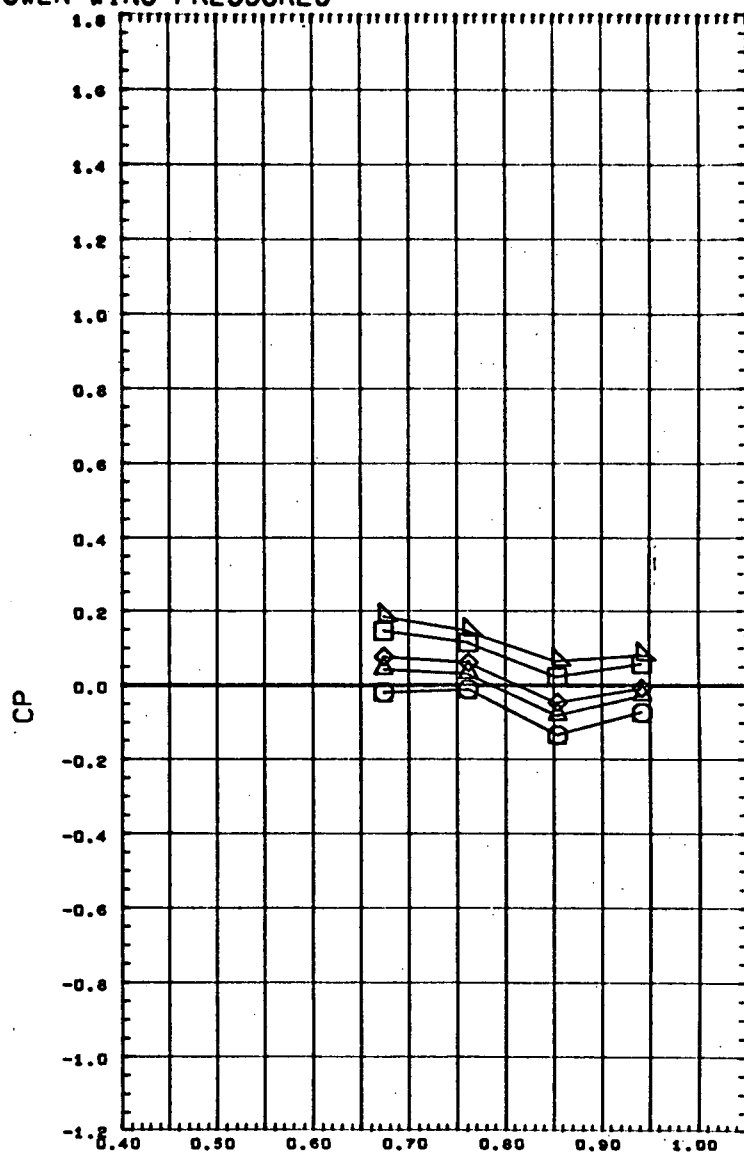
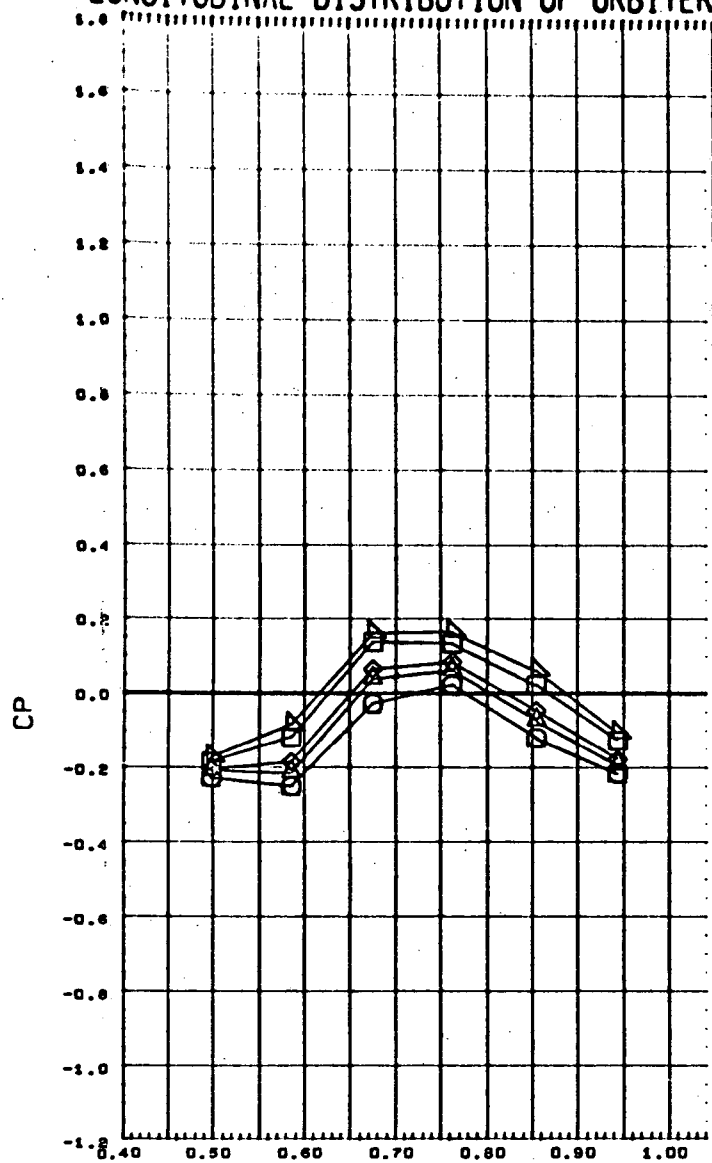


X/L			
SYMBOL	ALFB	Y/B	M1
○	8.325	0.230	1.101
△	6.165	0.399	
◇	4.458		
□	2.183		
▽	0.223		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
I	0.000	OX/L	0.036
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

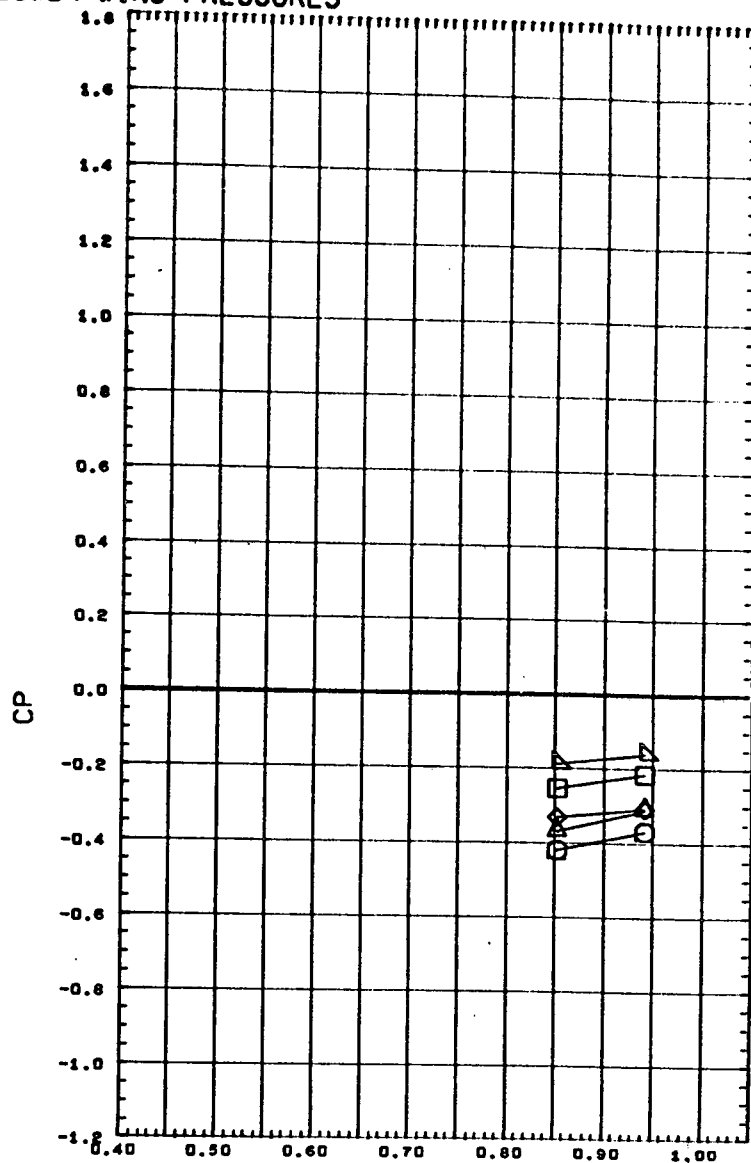
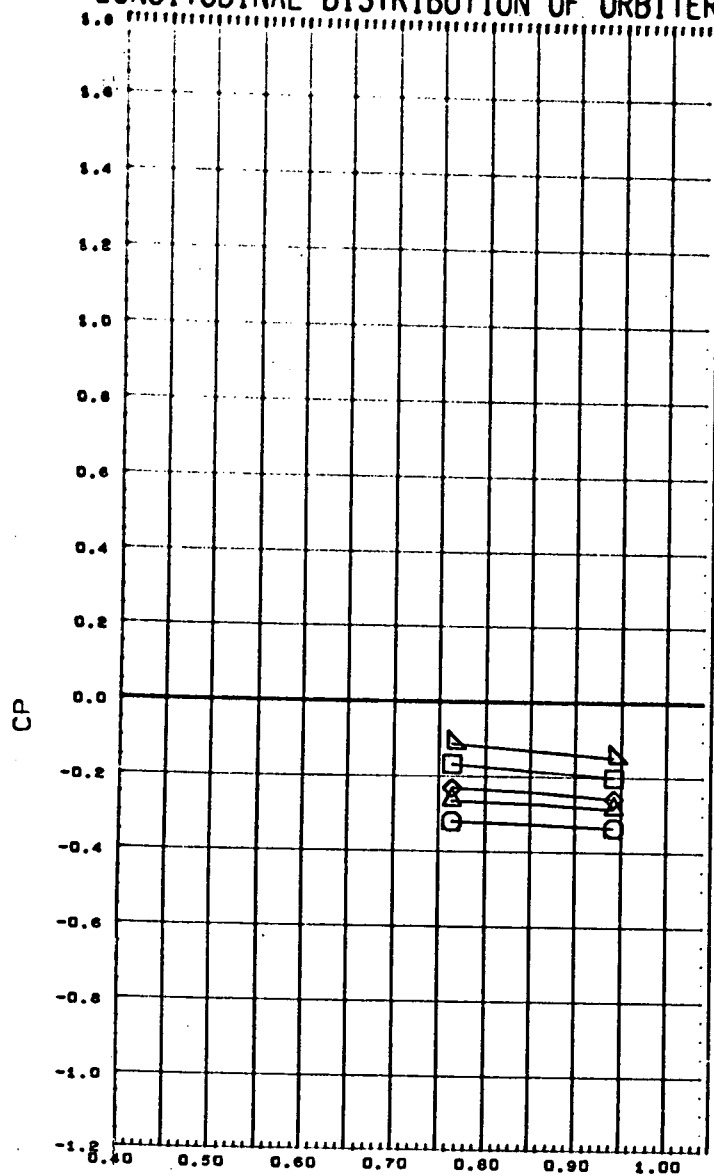


SYMBOL	ALFB	Y/B	M1
○	2.164	0.230	1.101
◇	4.173	0.399	
△	5.536		
□	8.168		
▽	10.145		

REFERENCE FILE

	PARAMETRIC VALUES	
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

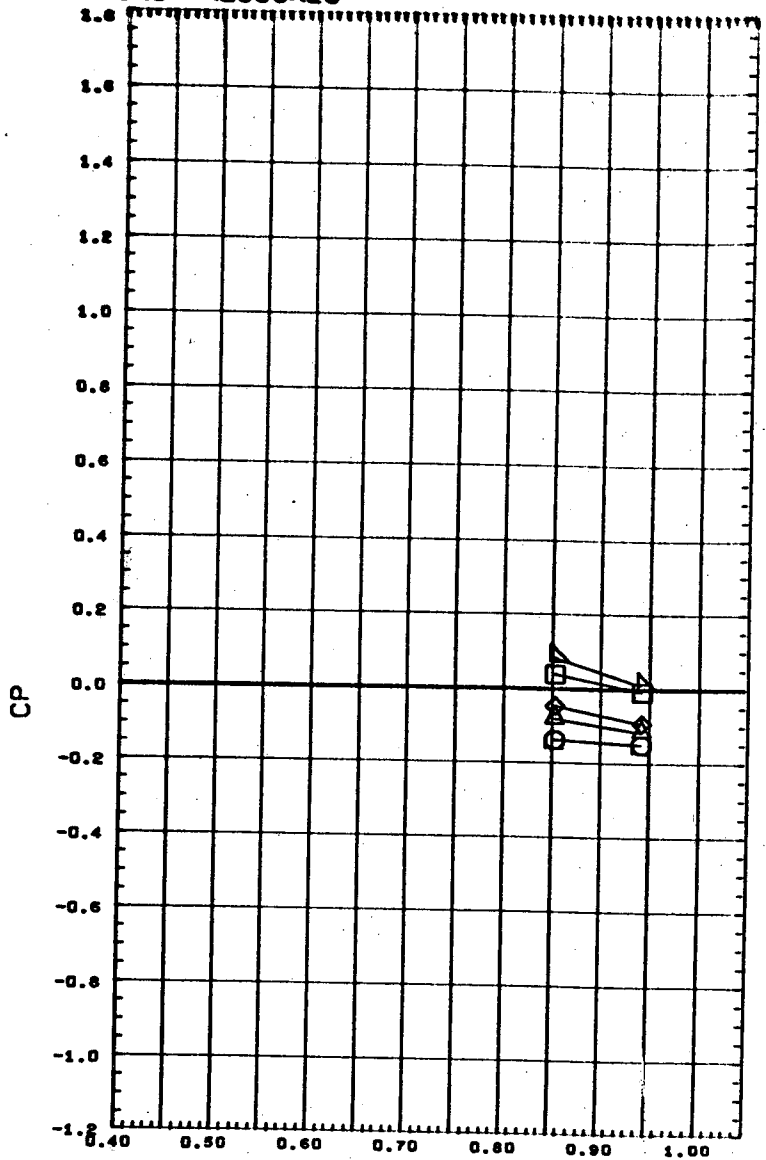
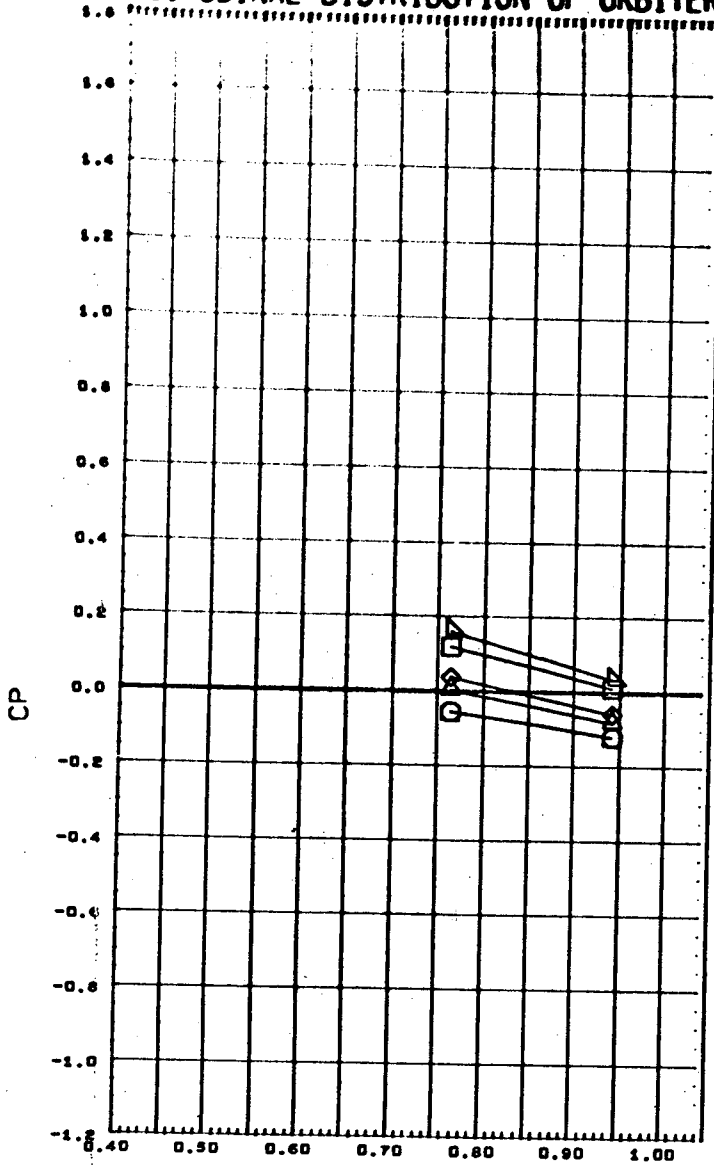


X/L			
SYMBOL	ALFB	Y/B	M1
△	8.325	0.568	1.101
◇	6.165	0.738	
□	4.458		
○	2.183		
○	0.223		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.164	0.568	1.101
□	4.173	0.738	
◇	5.536		
△	8.188		
—	10.145		

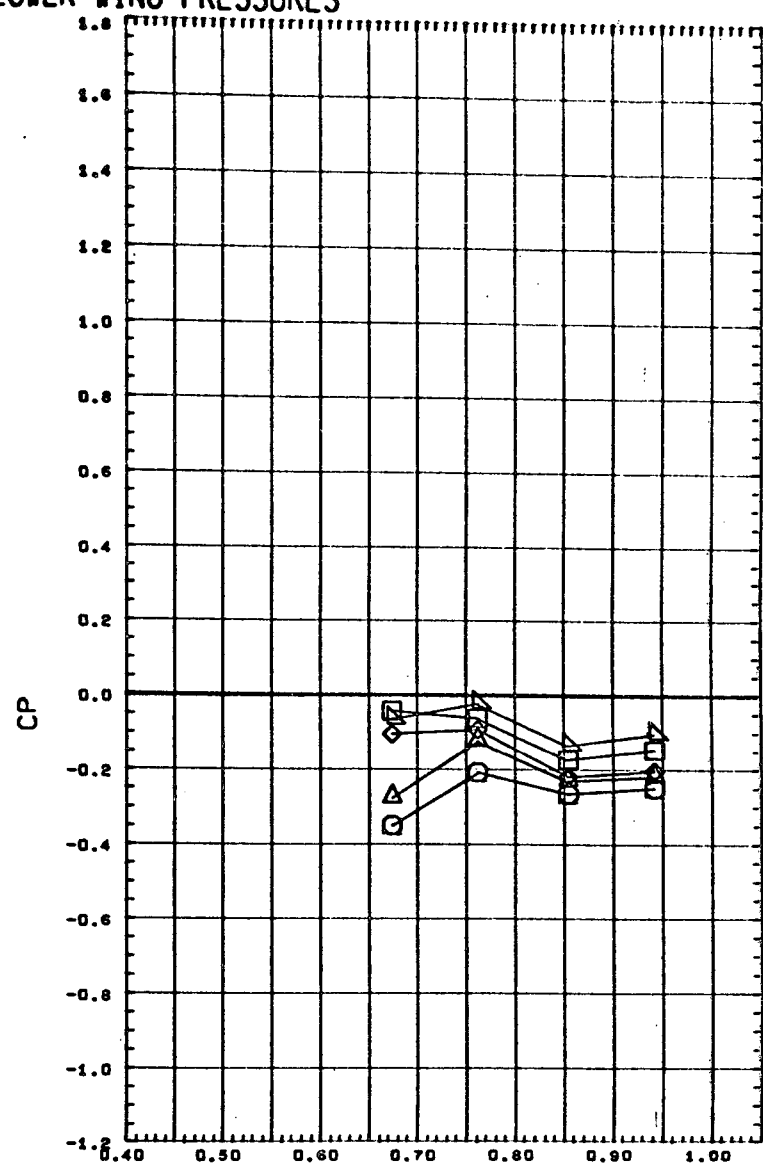
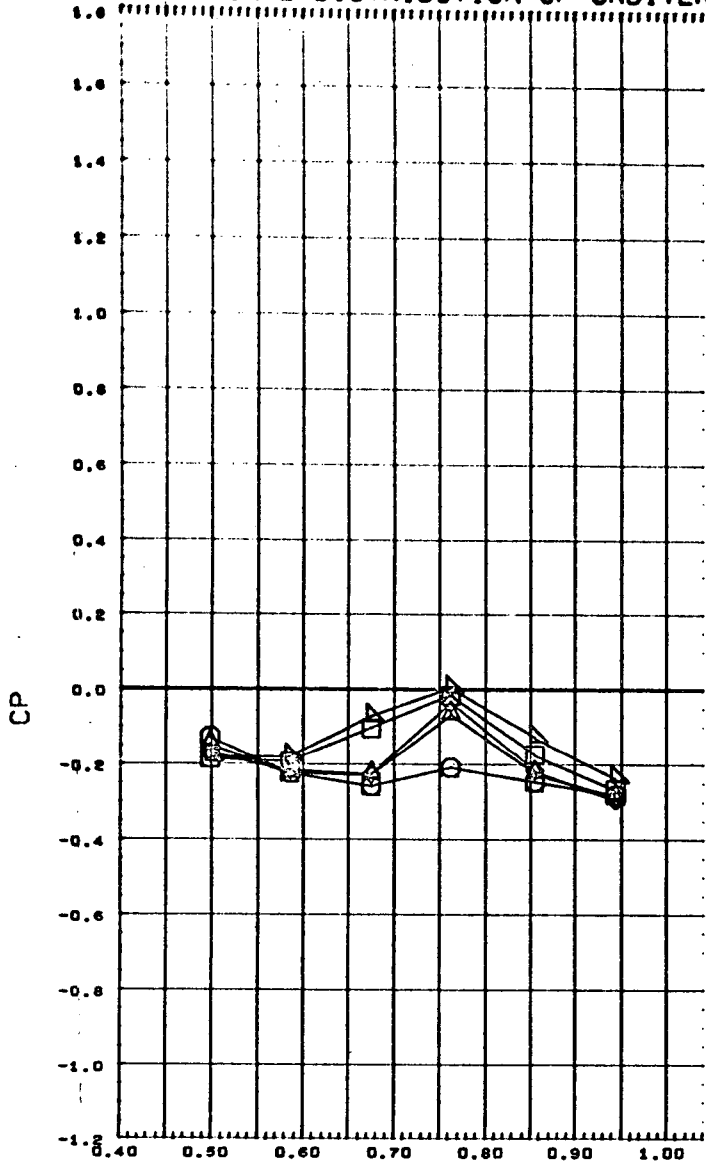
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X/L	PARAMETRIC VALUES
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I	0.000
DX/L	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC005)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

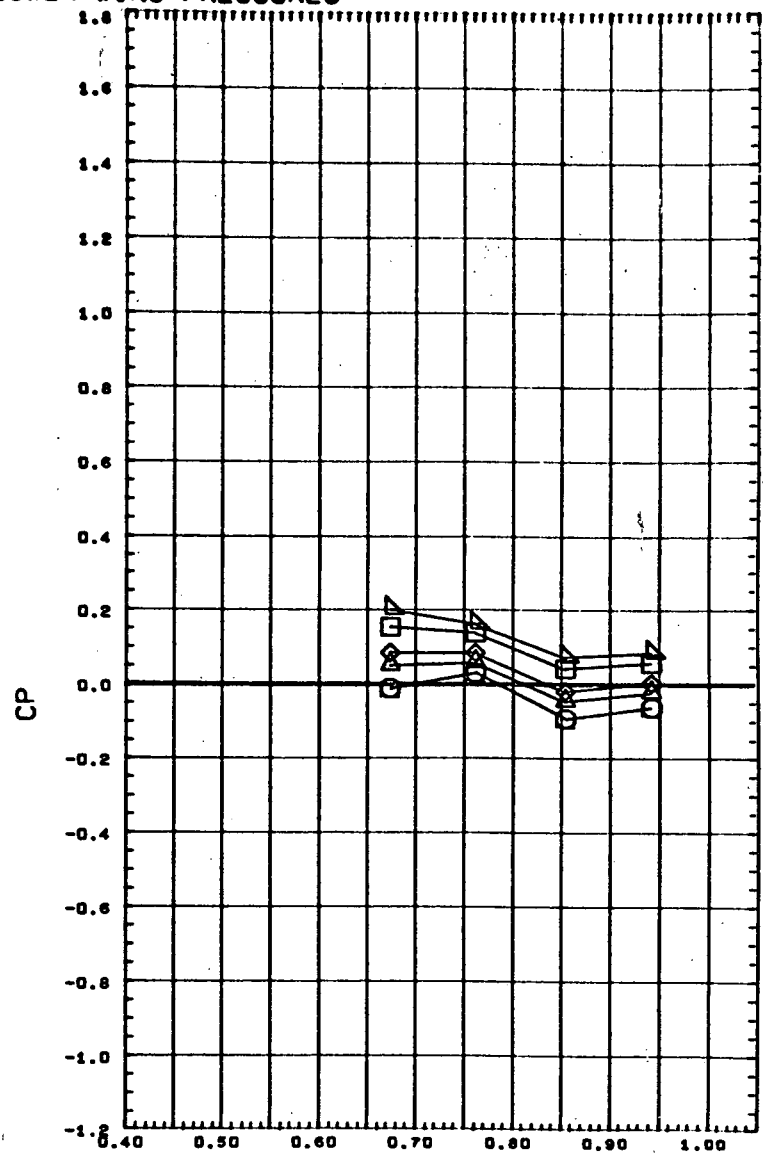
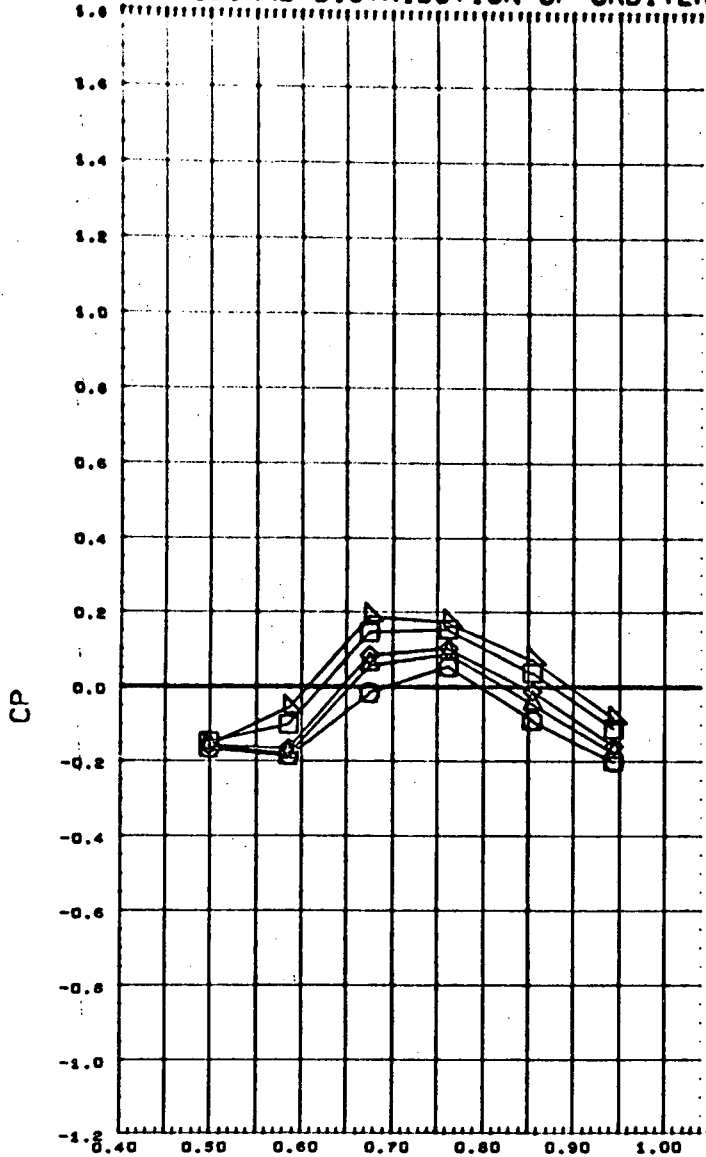


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.230	1.200
△	- 5.757	0.399	
◇	- 4.430		
□	- 2.200		
▽	0.220		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

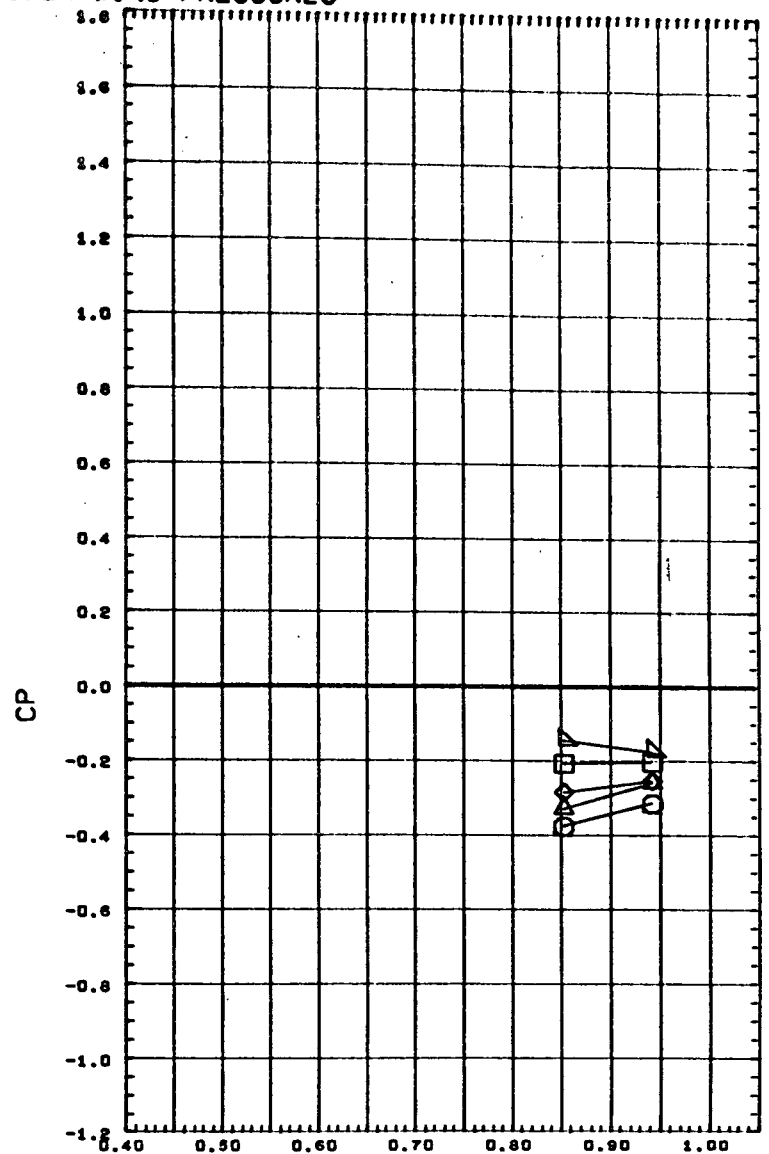
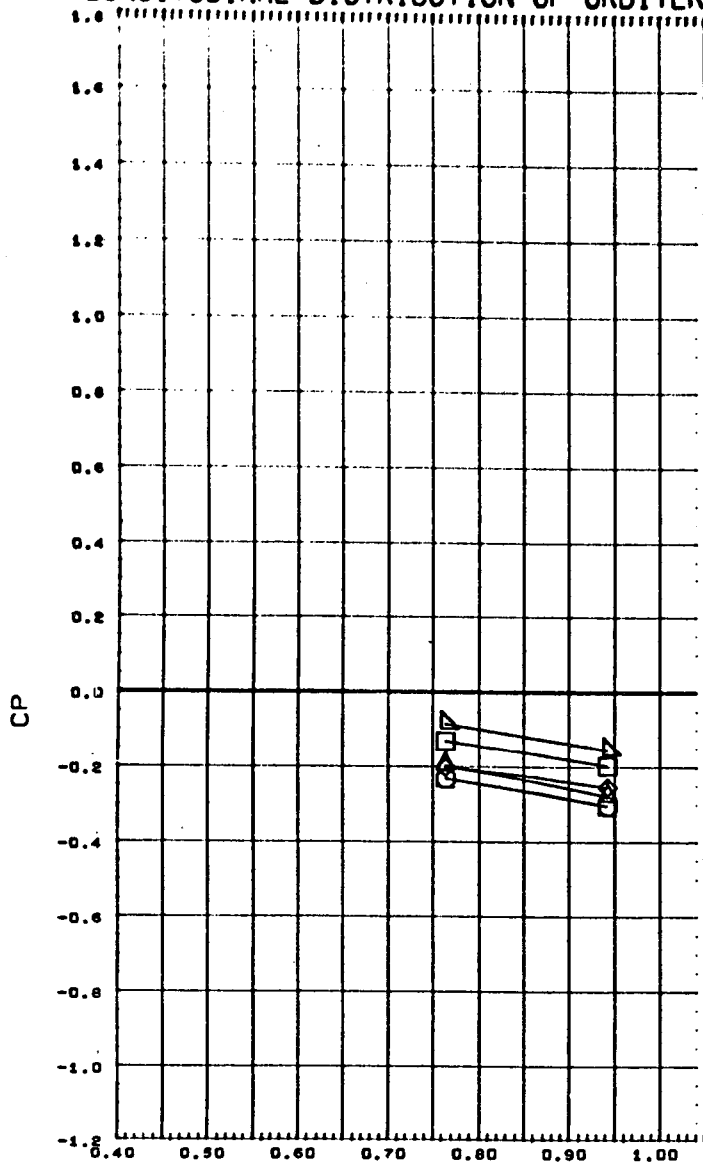


SYMBOL	ALFB	Y/B	M1
○	2.166	0.230	1.200
△	4.173	0.399	
◇	5.534		
□	8.199		
▽	10.165		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

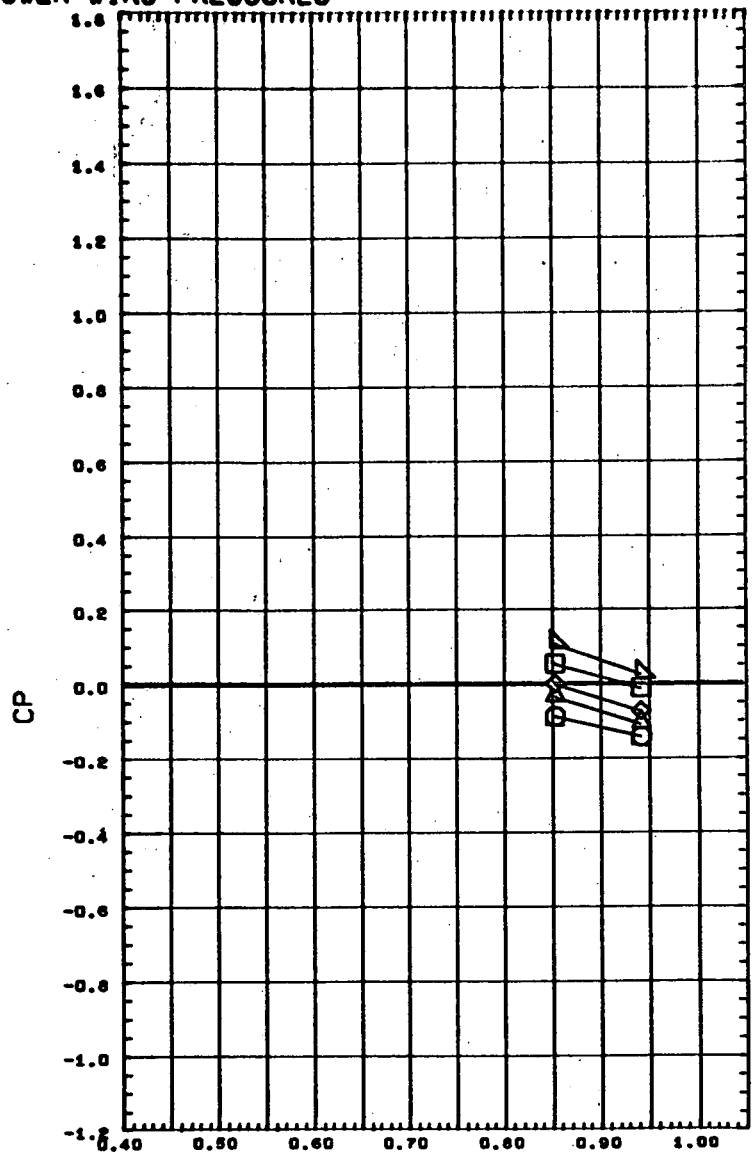
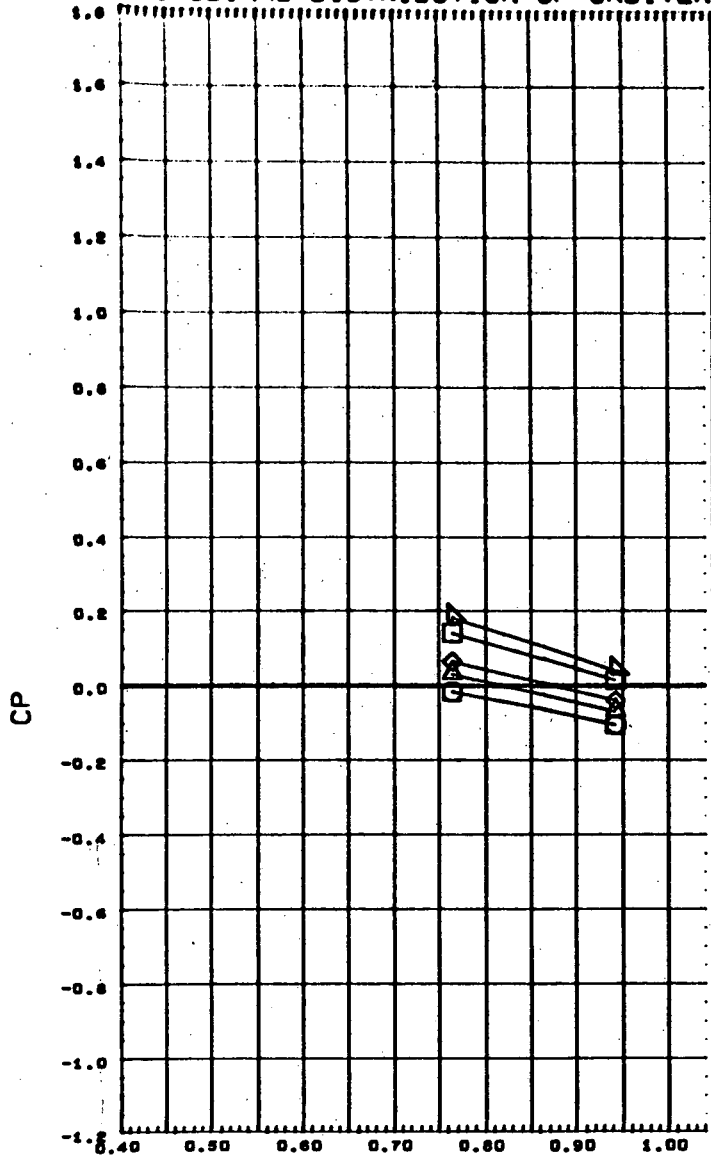


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.568	1.200
△	- 5.757	0.738	
◇	- 4.430		
□	- 2.200		
■	0.220		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

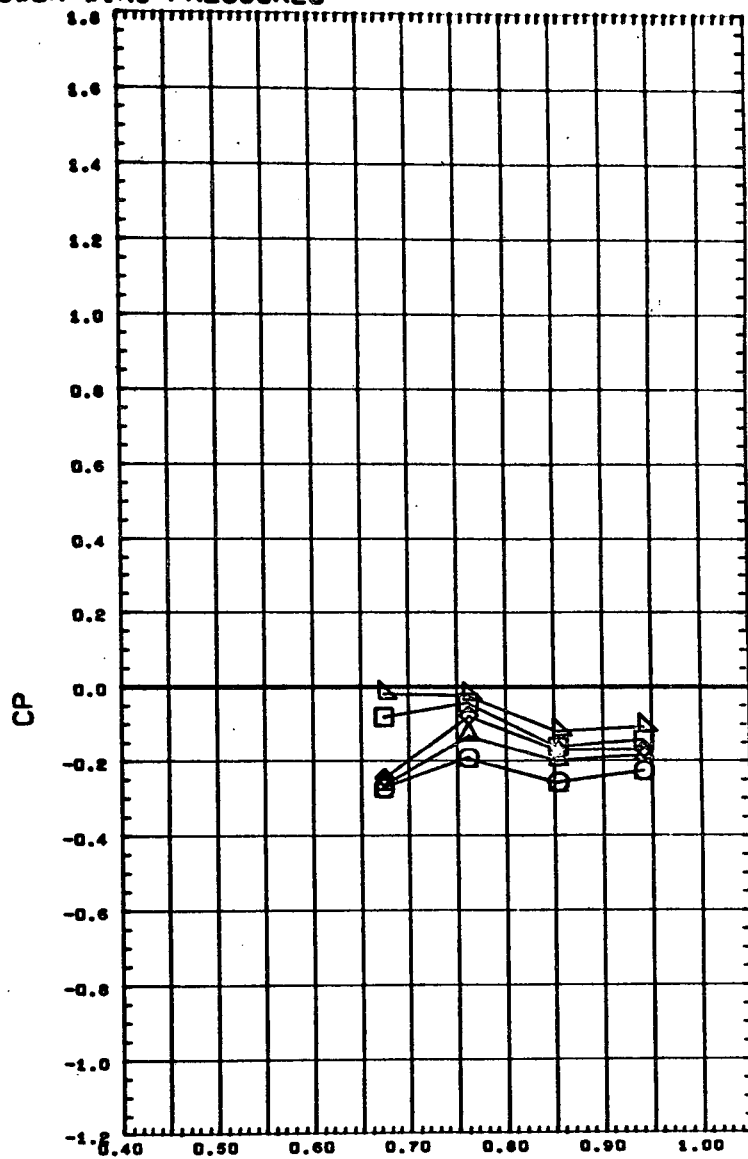
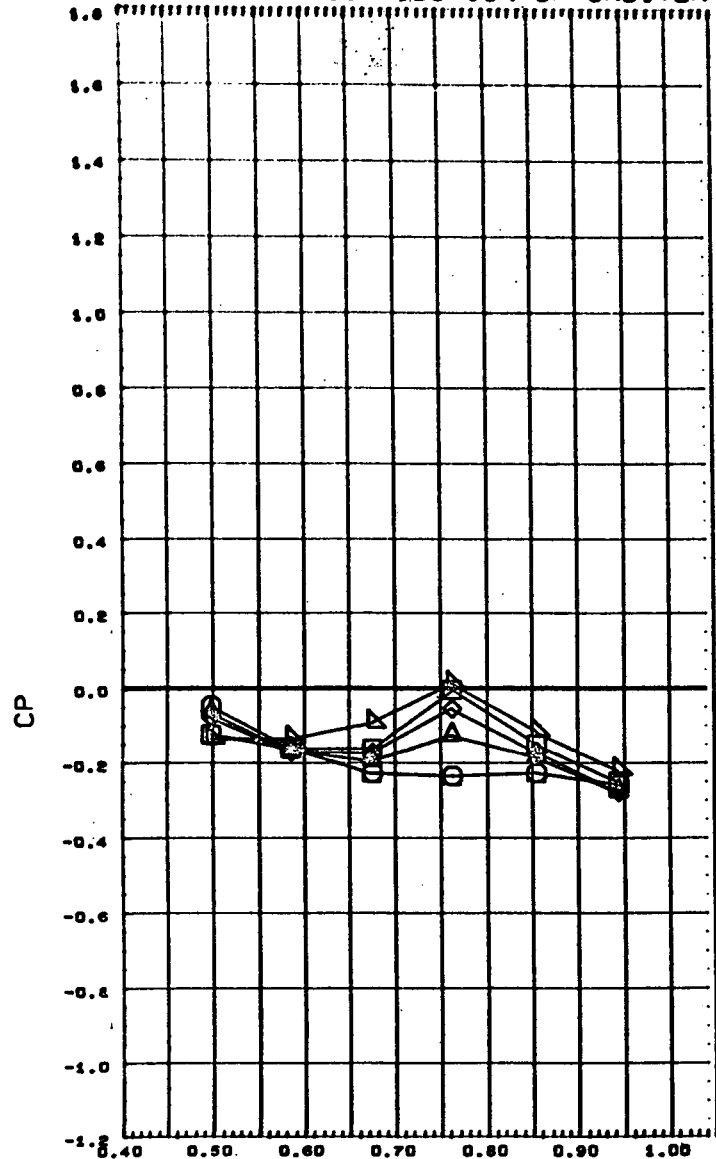


SYMBOL	ALFB	Y/B	M1
$\square \diamond \Delta \circ$ $\square \diamond \Delta \circ$	2.166	0.568	1.200
	4.173	0.738	
	5.534		
	8.109		
	10.165		

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L
1	0.000	0.036
	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

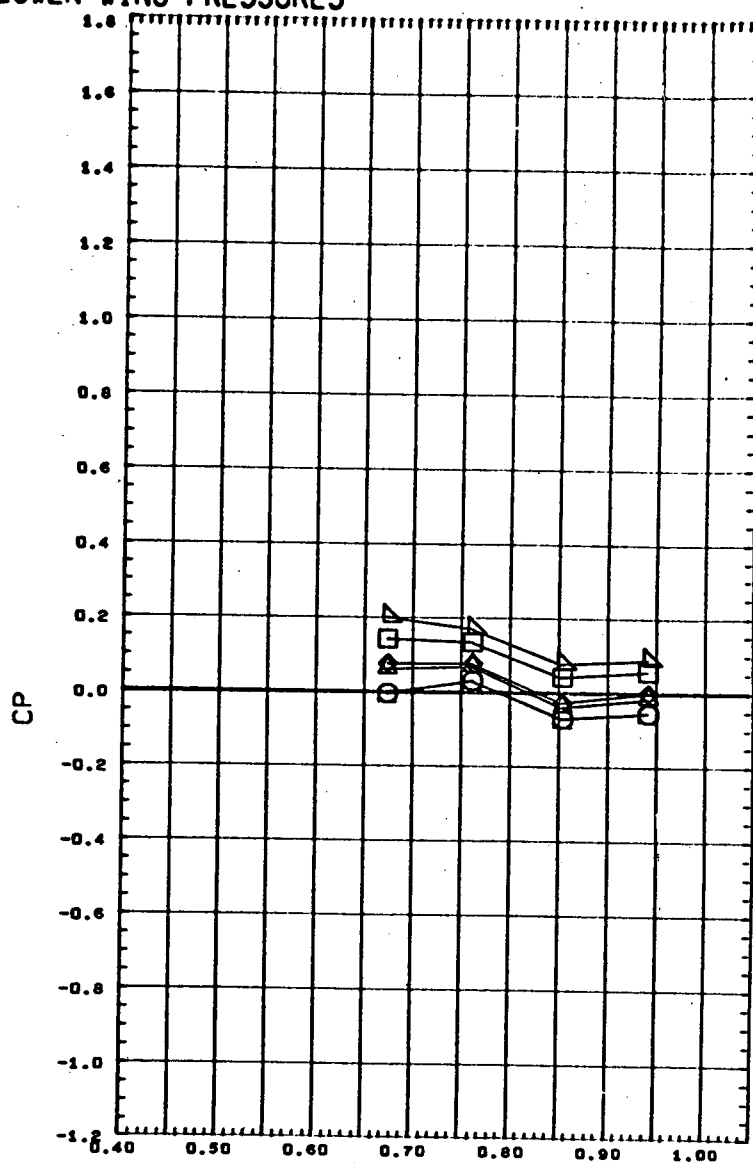
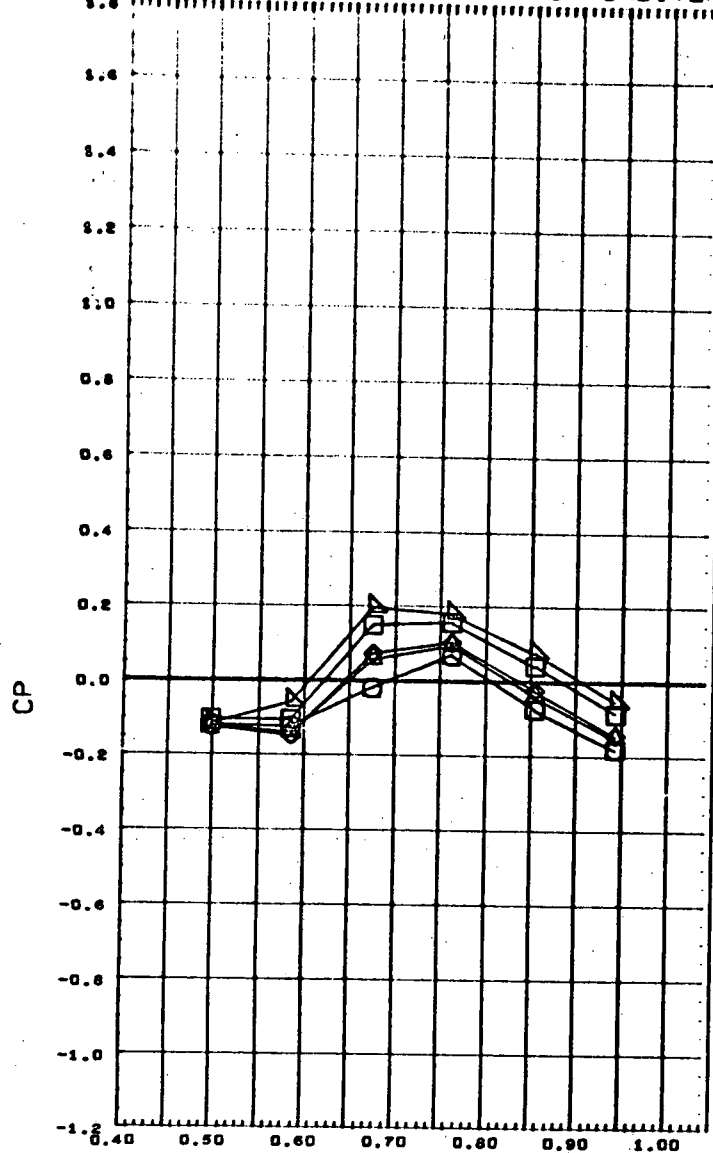


SYMBOL	ALFB	Y/B	M1
○	8.324	0.230	1.300
△	5.757	0.399	
◇	4.435		
□	1.782		
▽	0.167		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	0.000
OX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

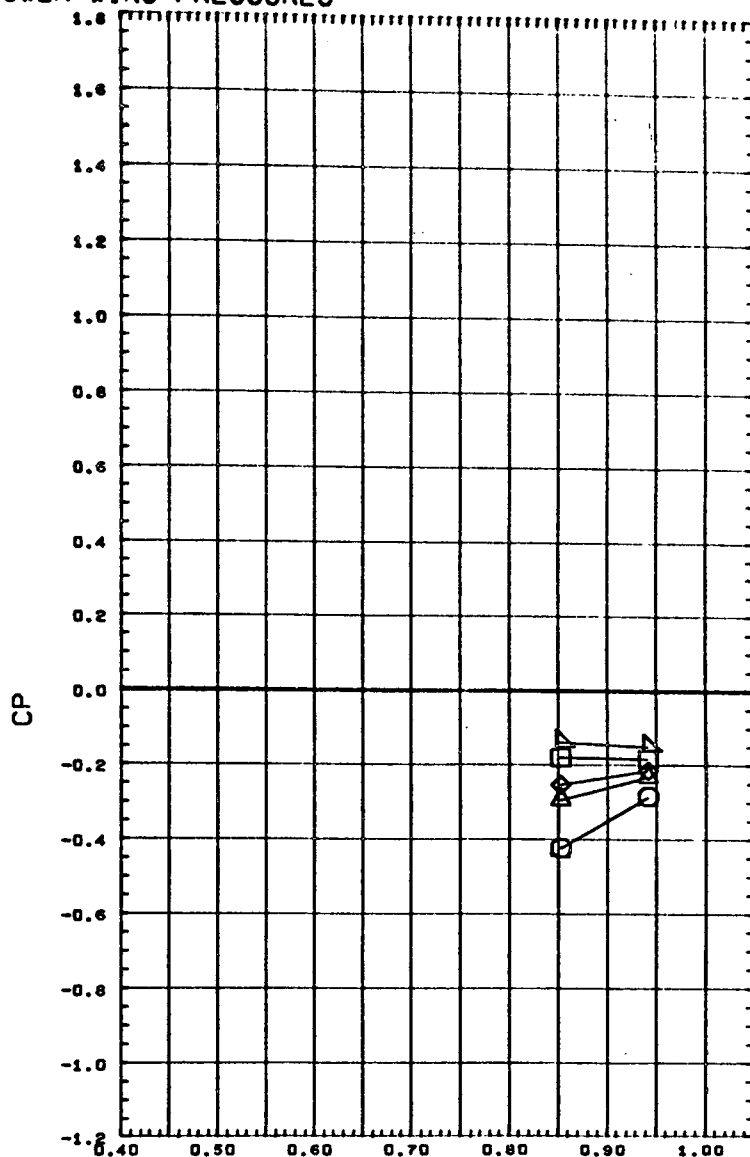
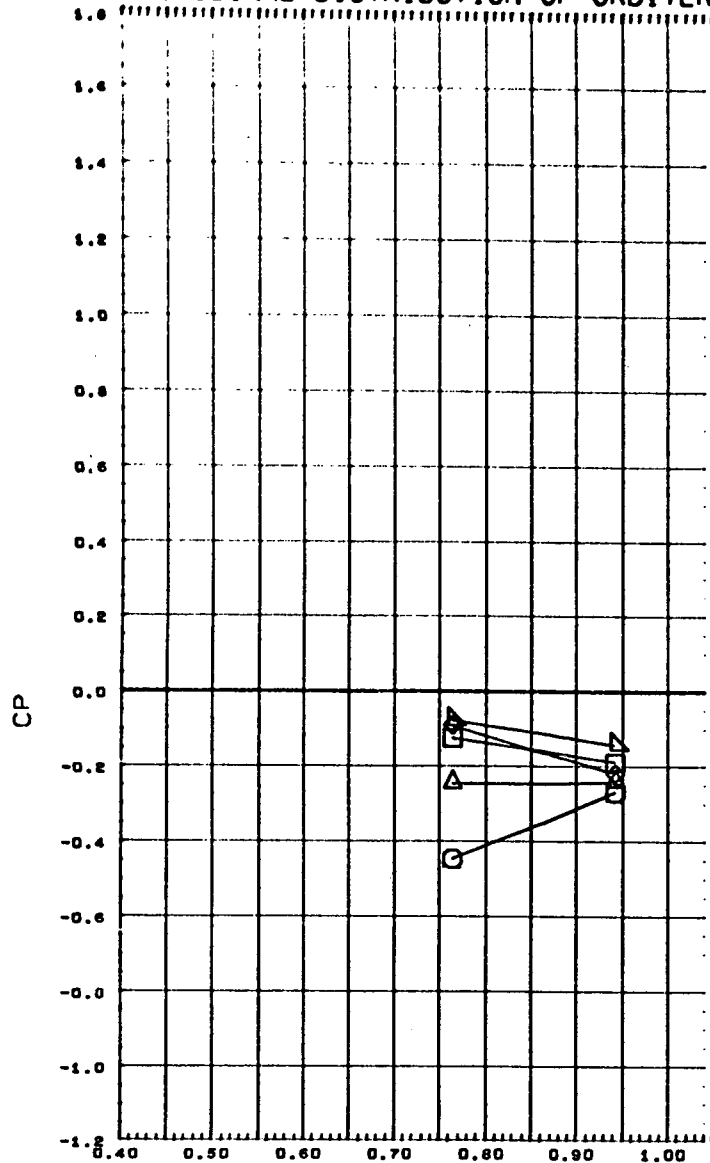


SYMBOL	ALFB	Y/B	M1
○	2.176	0.230	1.300
△	4.176	0.399	
◇	5.526		
□	8.201		
×	10.165		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

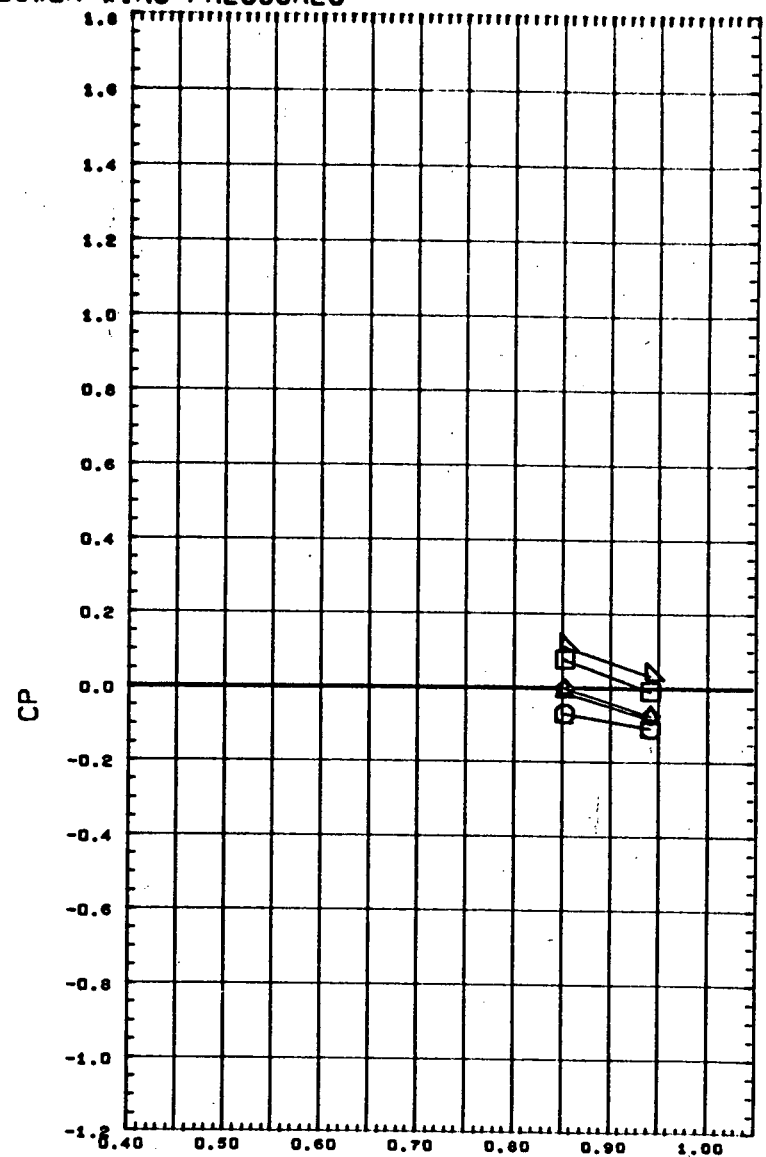
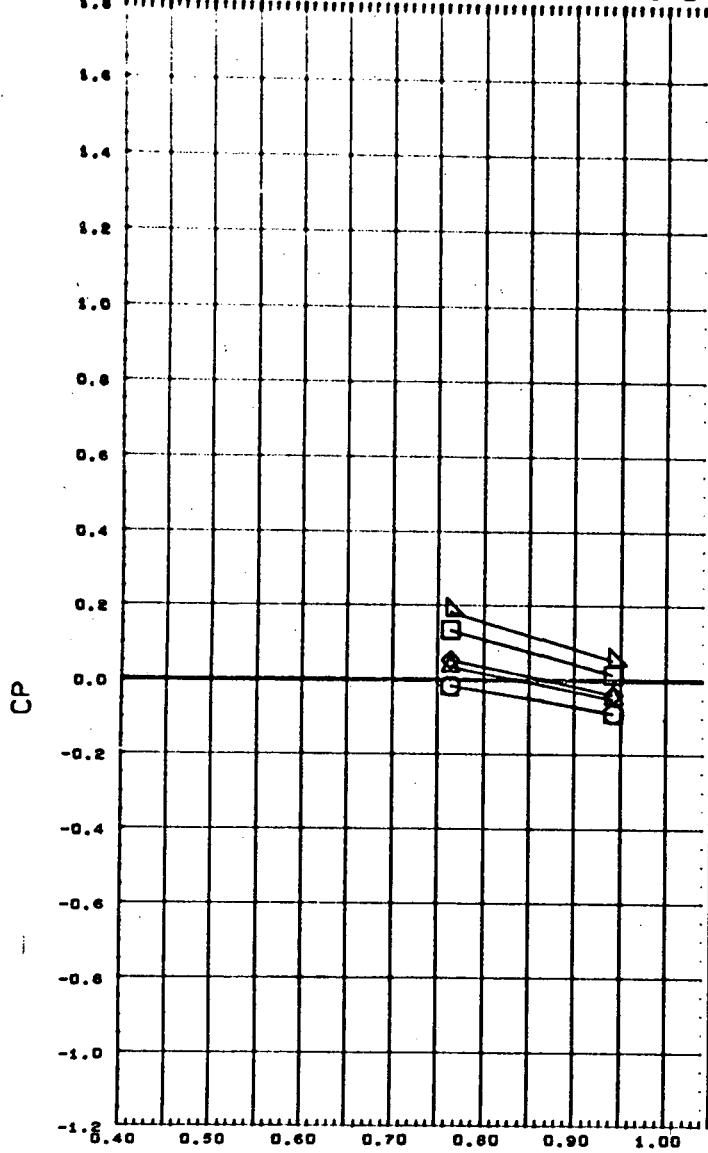


SYMBOL	ALFB	Y/B	M1
○	- 8.324	0.568	1.300
△	- 5.757	0.738	
◇	- 4.435		
□	- 1.782		
▢	0.167		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

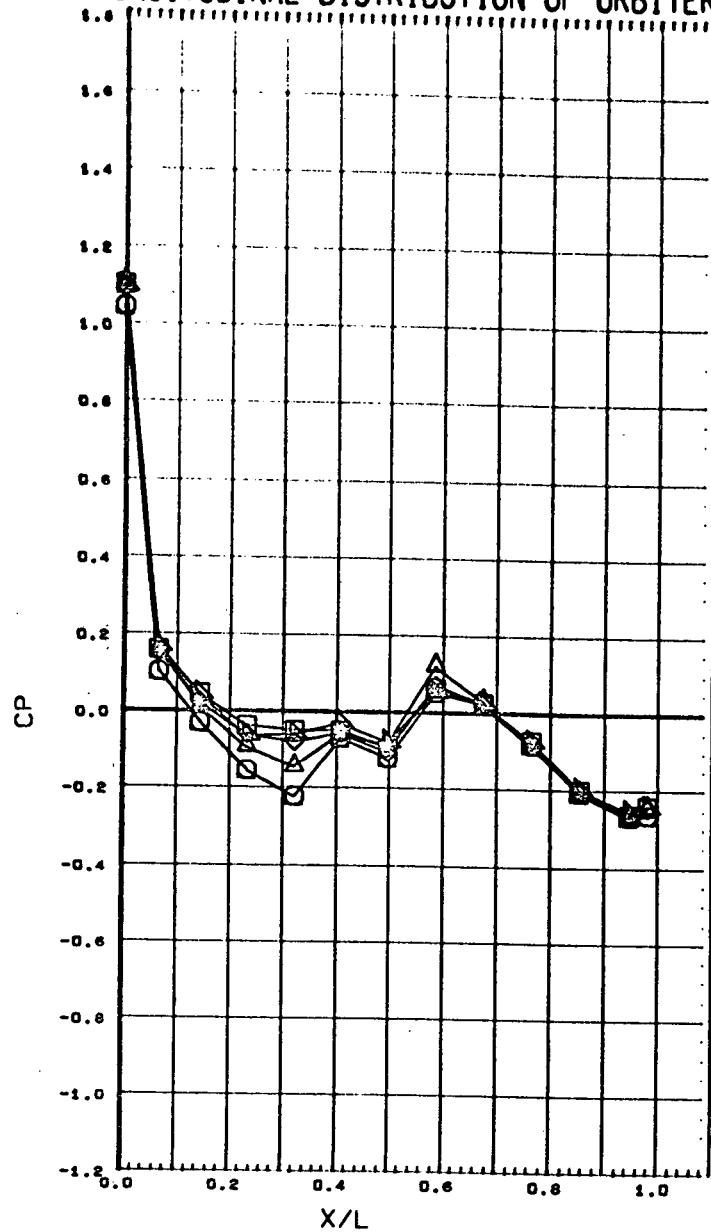


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.176	0.568	1.300
△	4.176	0.738	
□	5.526		
◇	8.201		
▽	10.165		

REFERENCE FILE

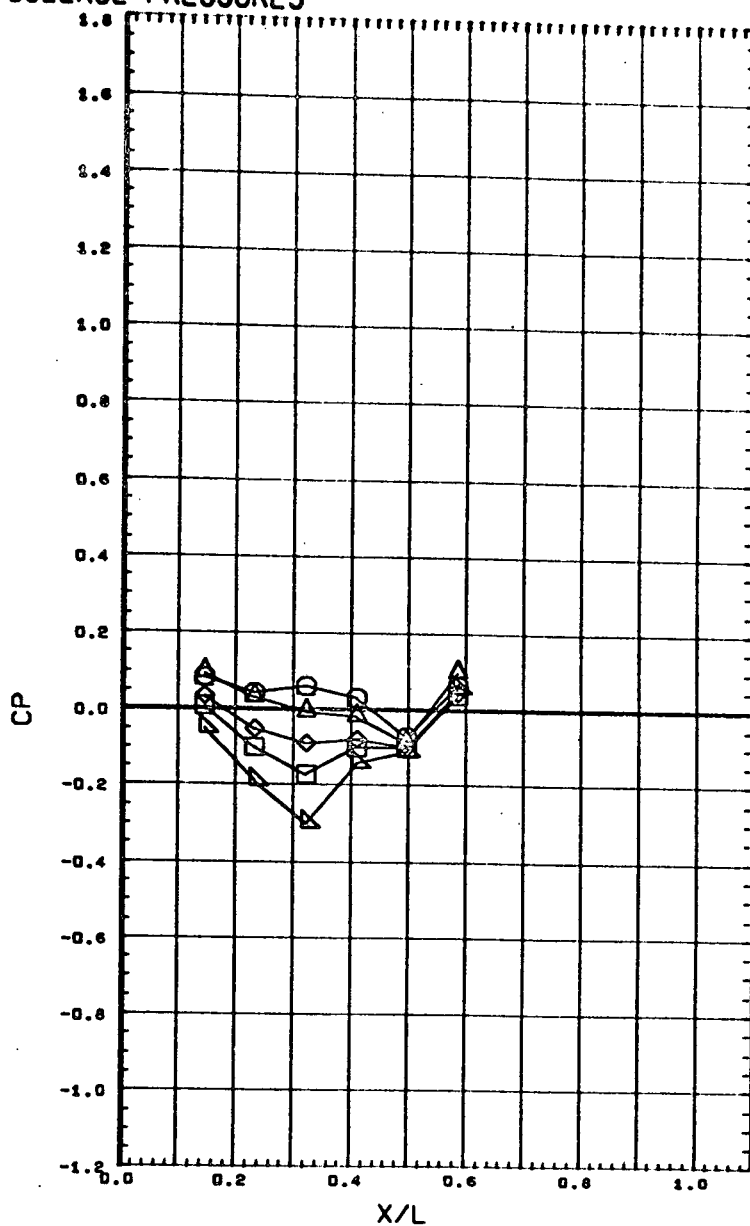
X/L			
BETA	PARAMETRIC VALUES		
	0.000	0X/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



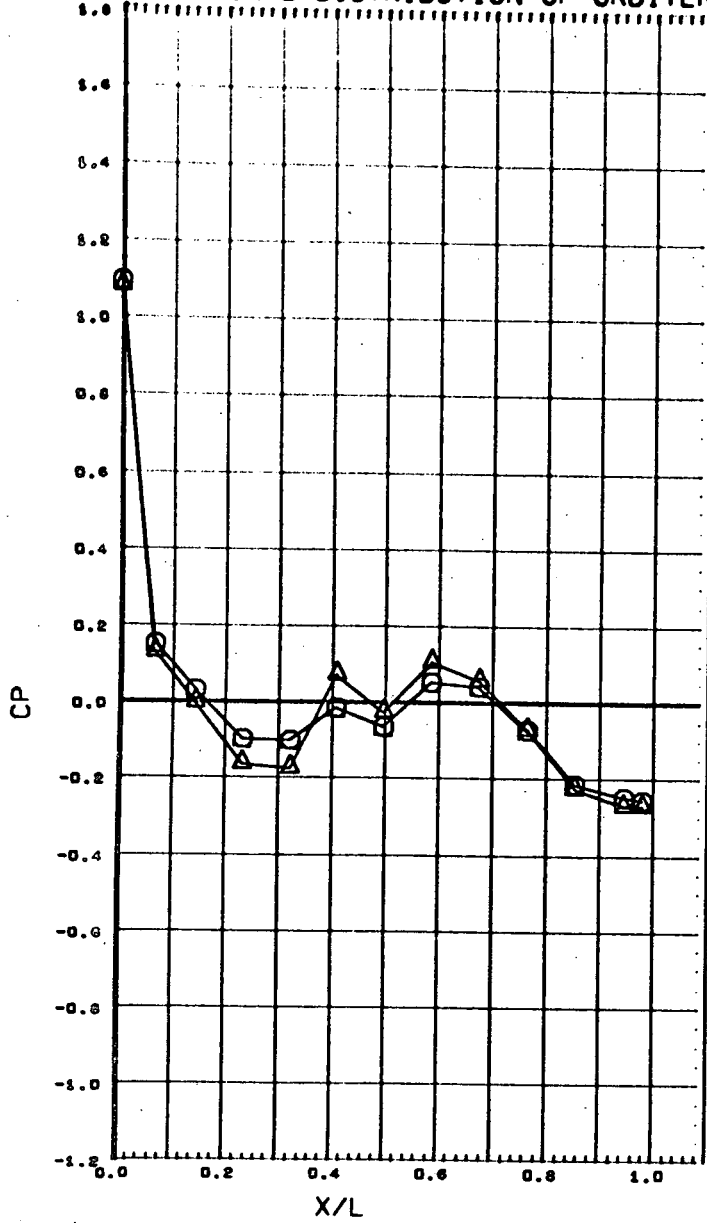
SYMBOL	BETA	Y/B	M1
○	- 6.037	0.000	0.599
△	- 4.023	0.076	
◇	- 1.978		
□	- 0.265		
▽	1.756		

REFERENCE FILE

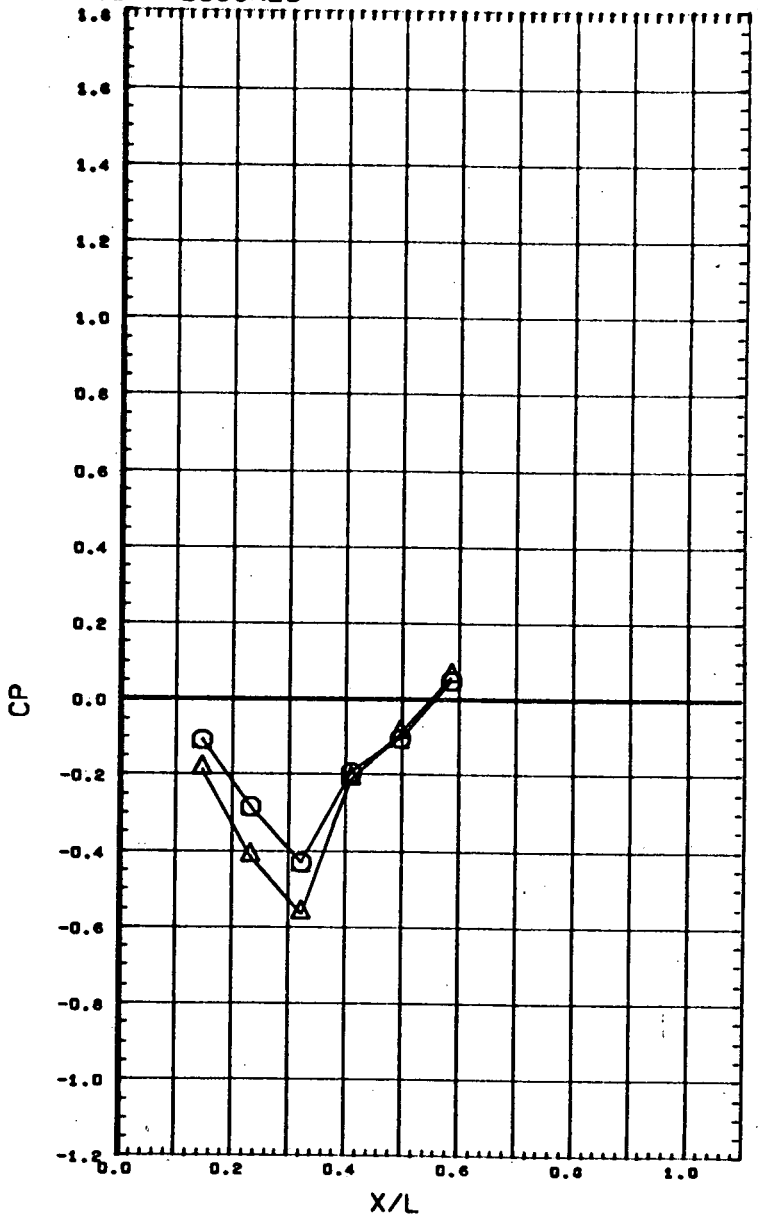


PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.761	0.000	0.599
△	5.835	0.076	



PARAMETRIC VALUES	ALFB	IX/L	0.036
I	0.000	0.000	

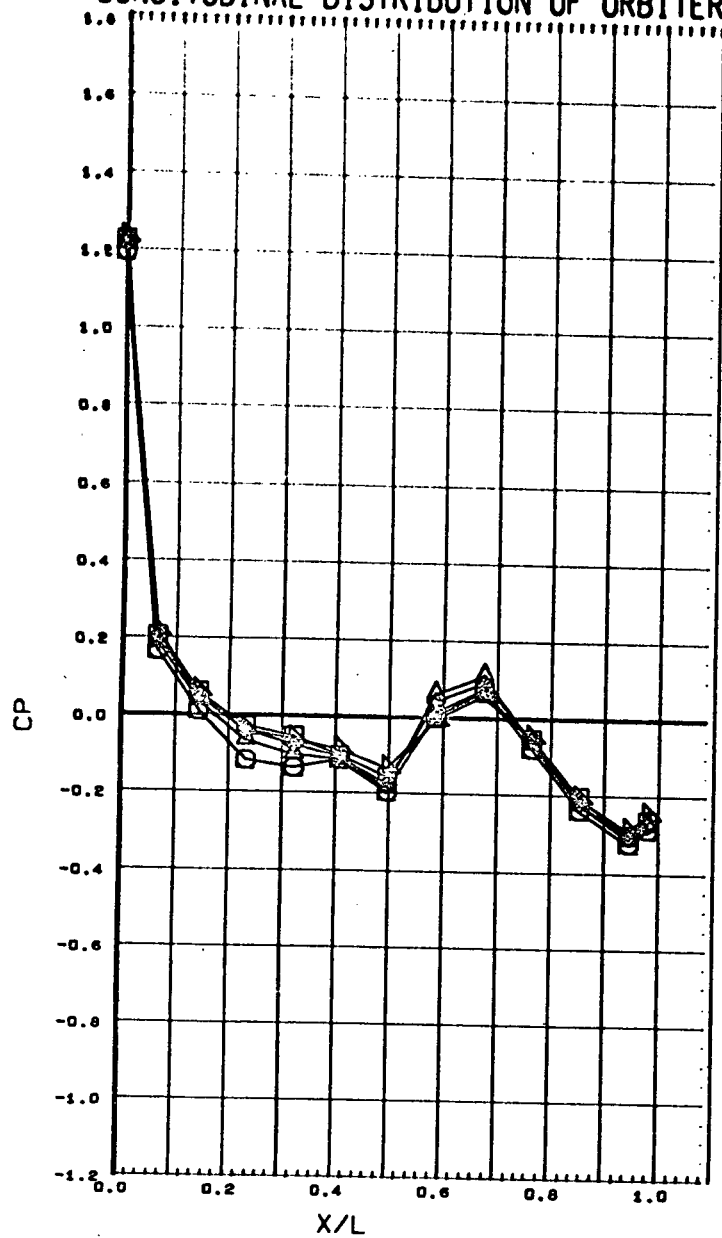
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

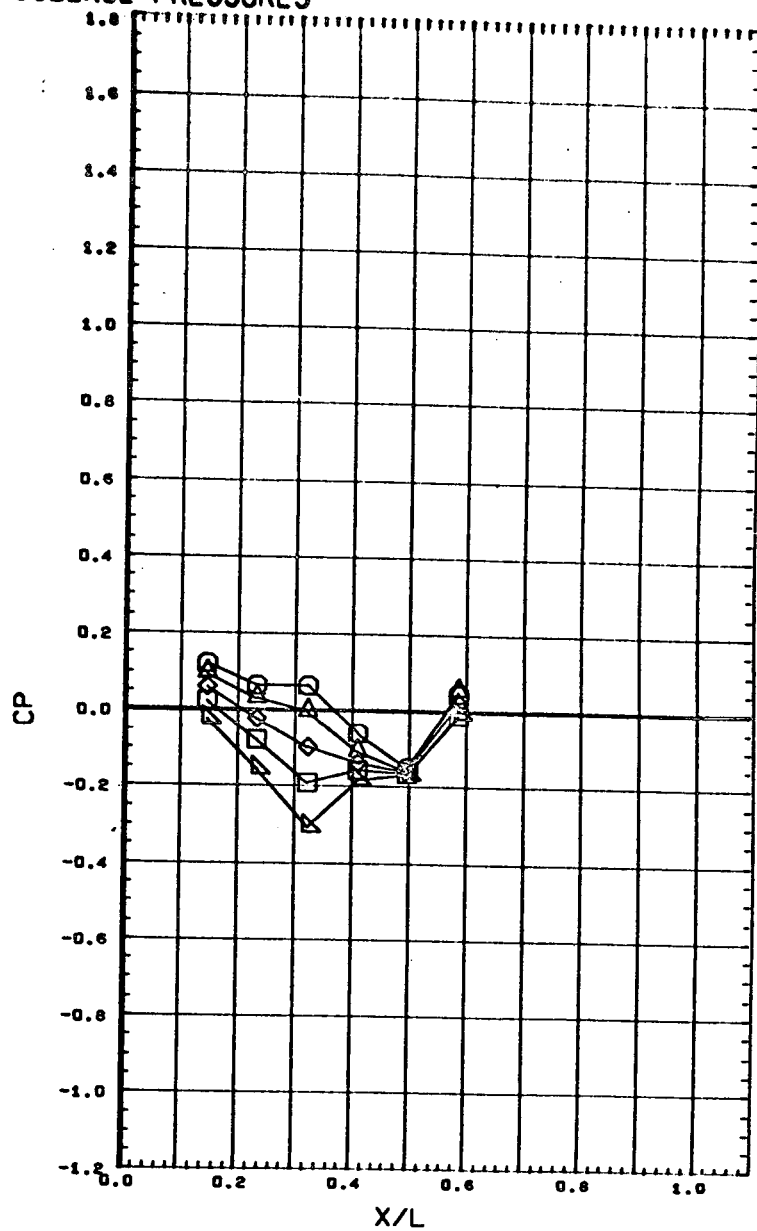
PAGE 155

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



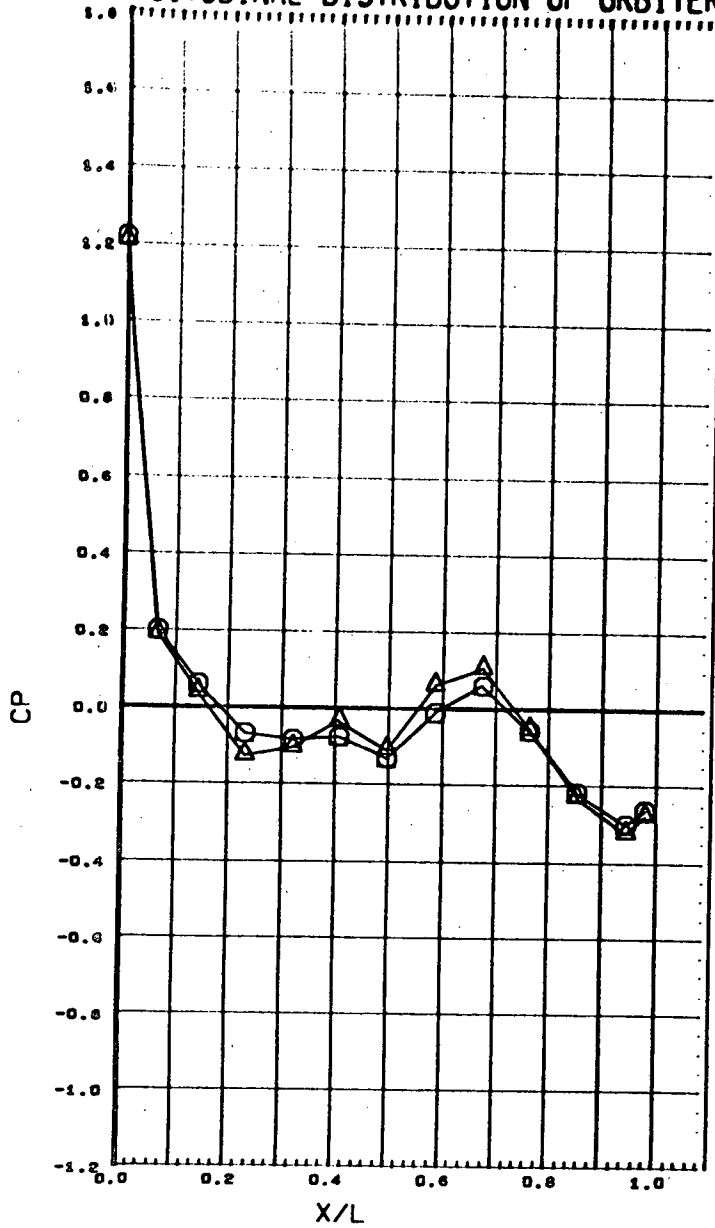
SYMBOL	BETA	Y/B	M1
○	6.113	0.000	0.899
△	4.054	0.076	
◇	2.008		
□	0.259		
▽	1.804		

REFERENCE FILE

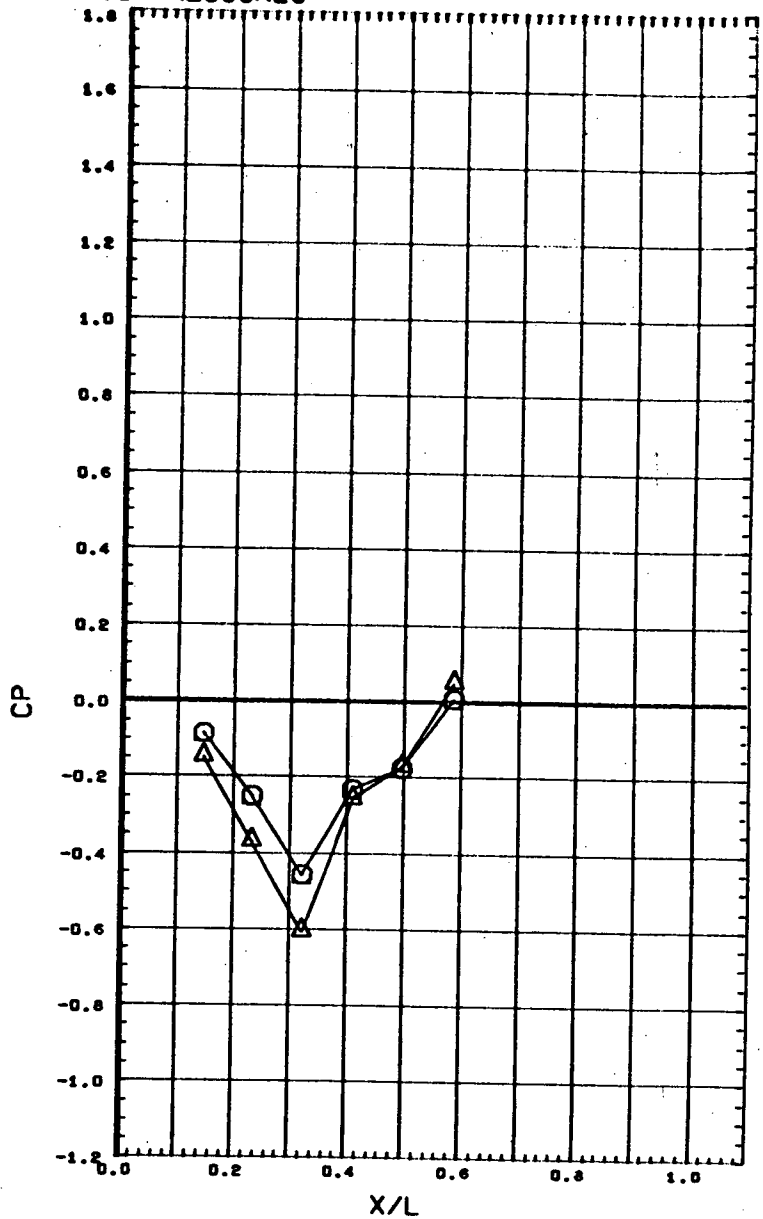


ALFB	PARAMETRIC VALUES	DX/L	
I	0.000	0.036	
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	5.845	0.000	0.899
△	5.924	0.076	



PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.036

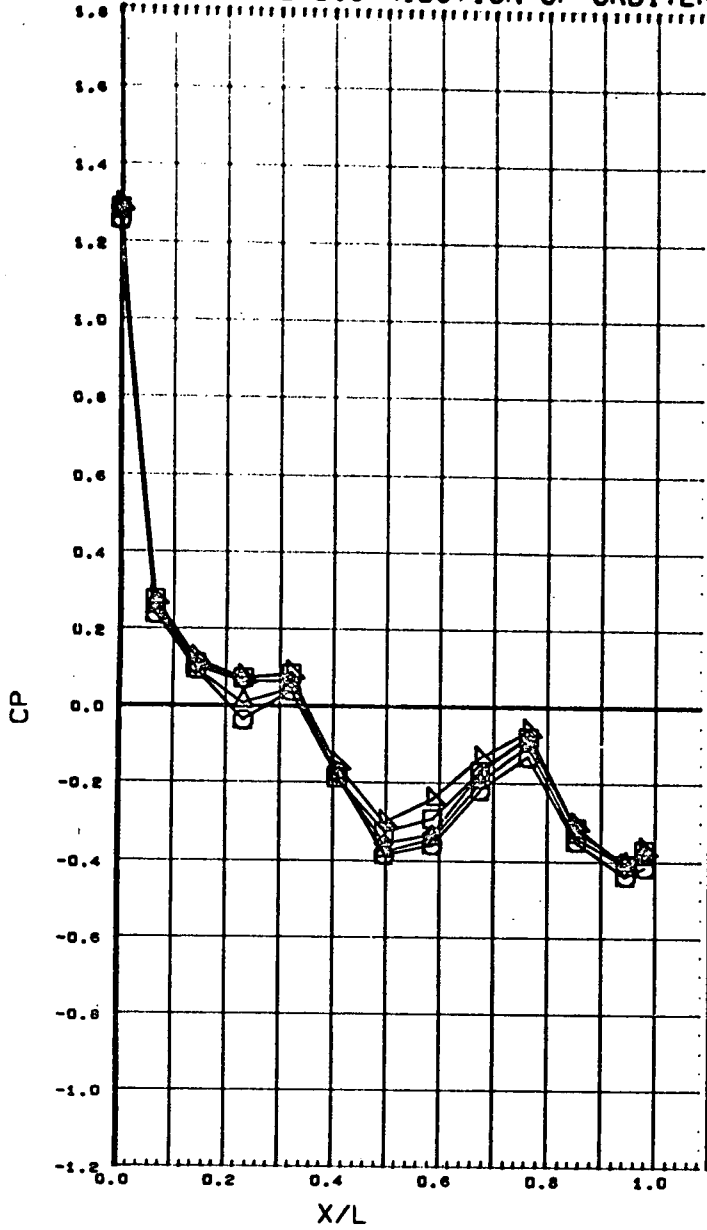
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

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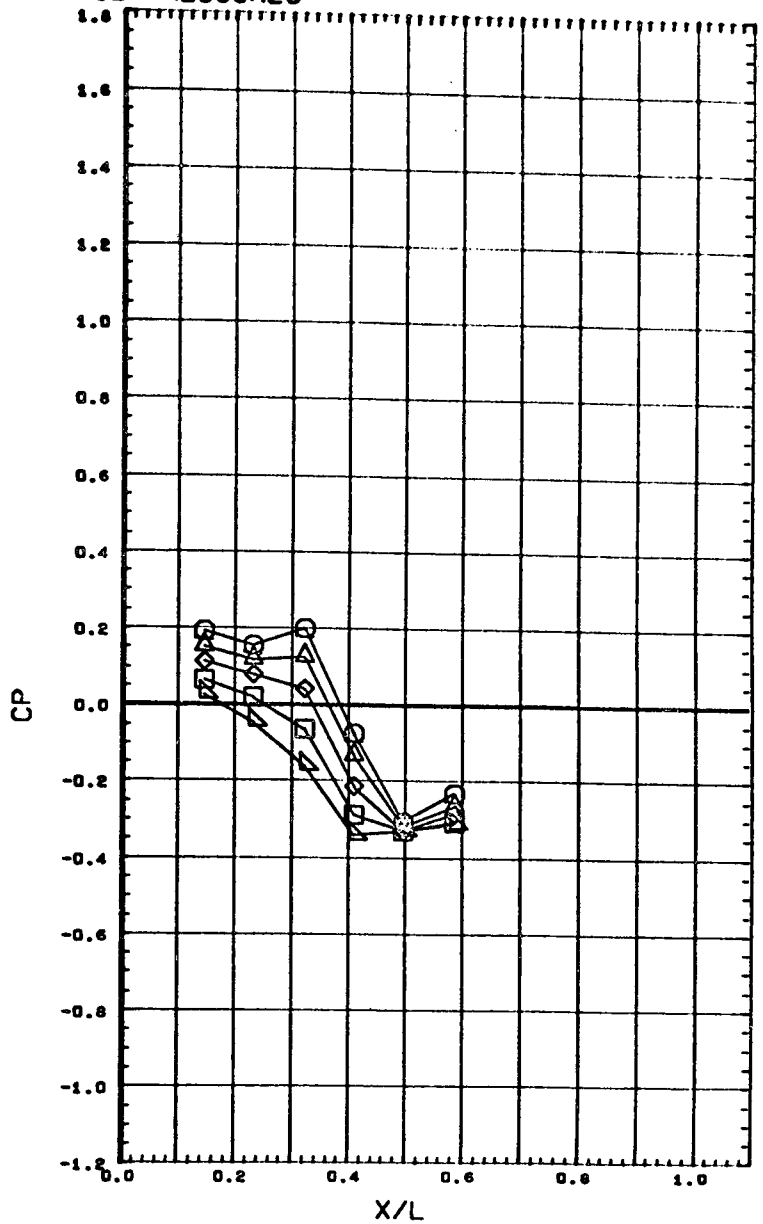
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	- 5.858	0.000	1.004
△	- 3.758	0.076	
◇	- 1.727		
□	0.370		
▽	2.147		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

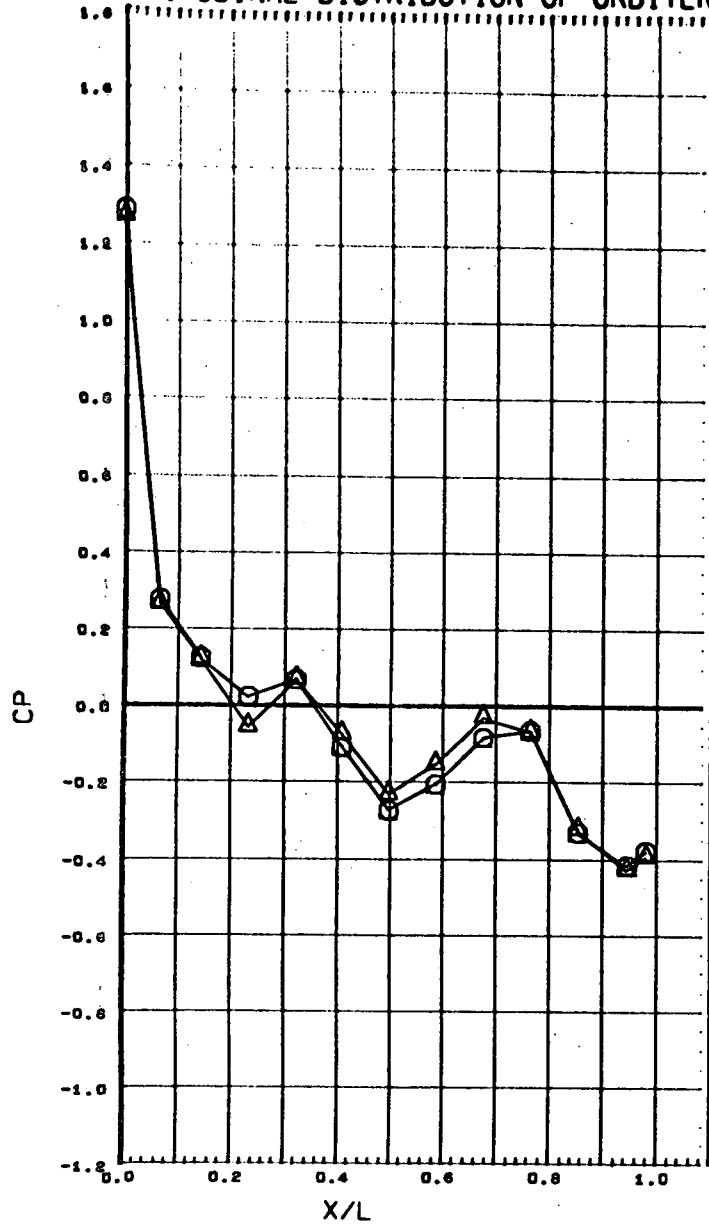


PARAMETRIC VALUES		
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I	0.000	0.036

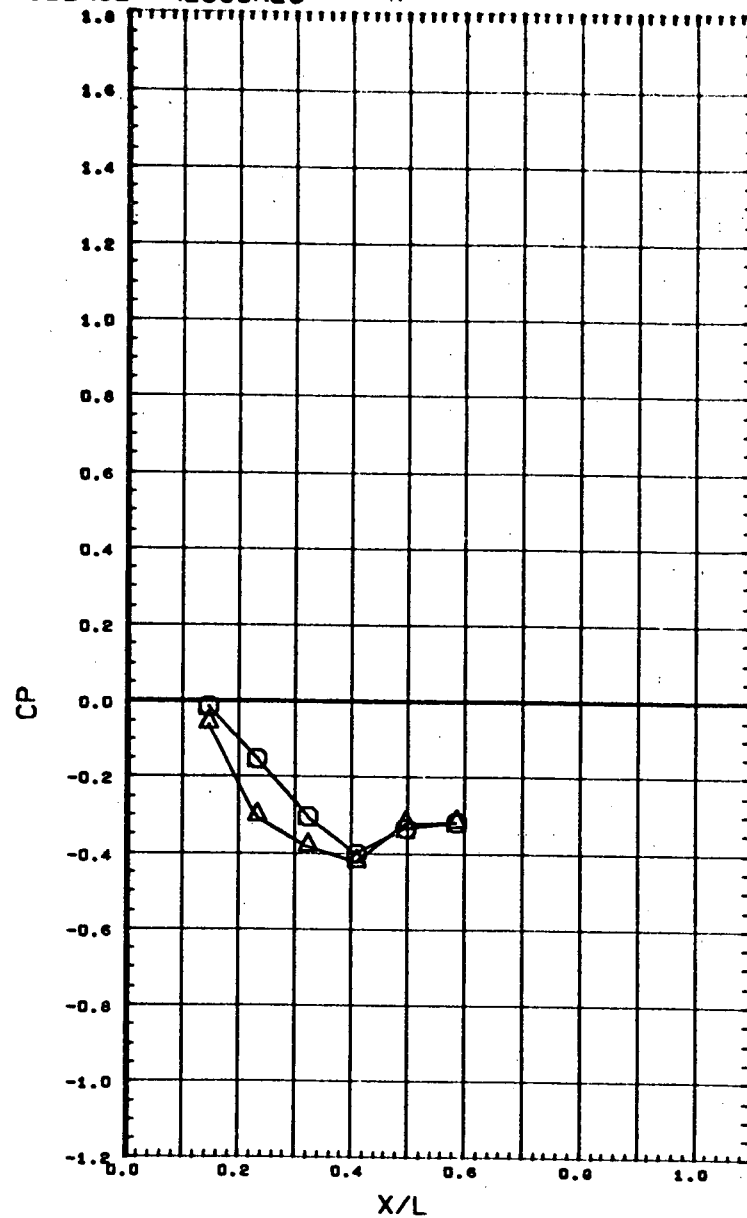
(FTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.227	0.000	1.004
△	6.297	0.076	



PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

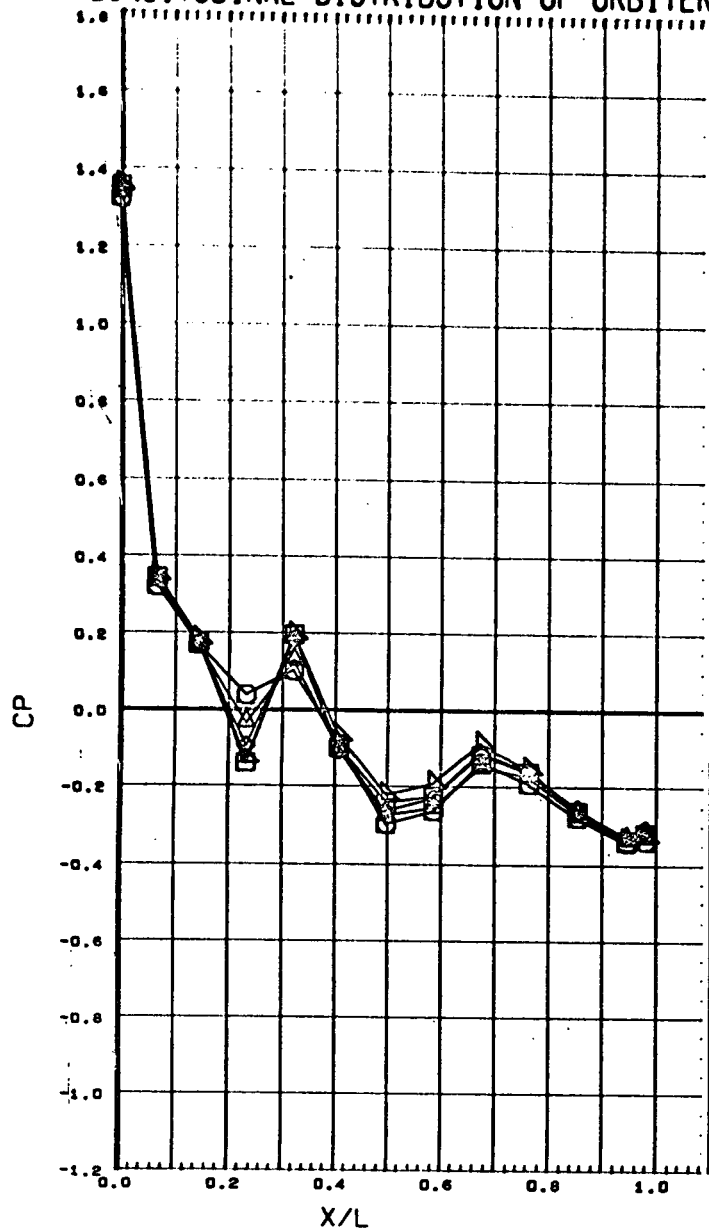
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

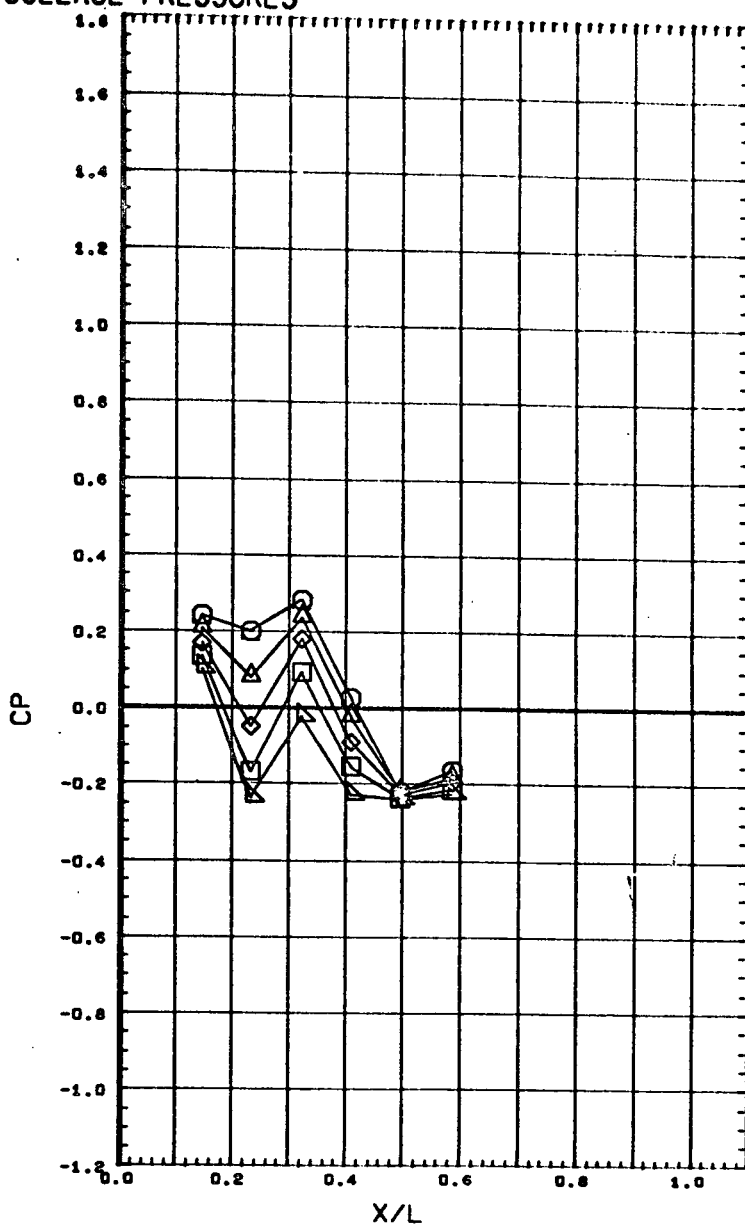
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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



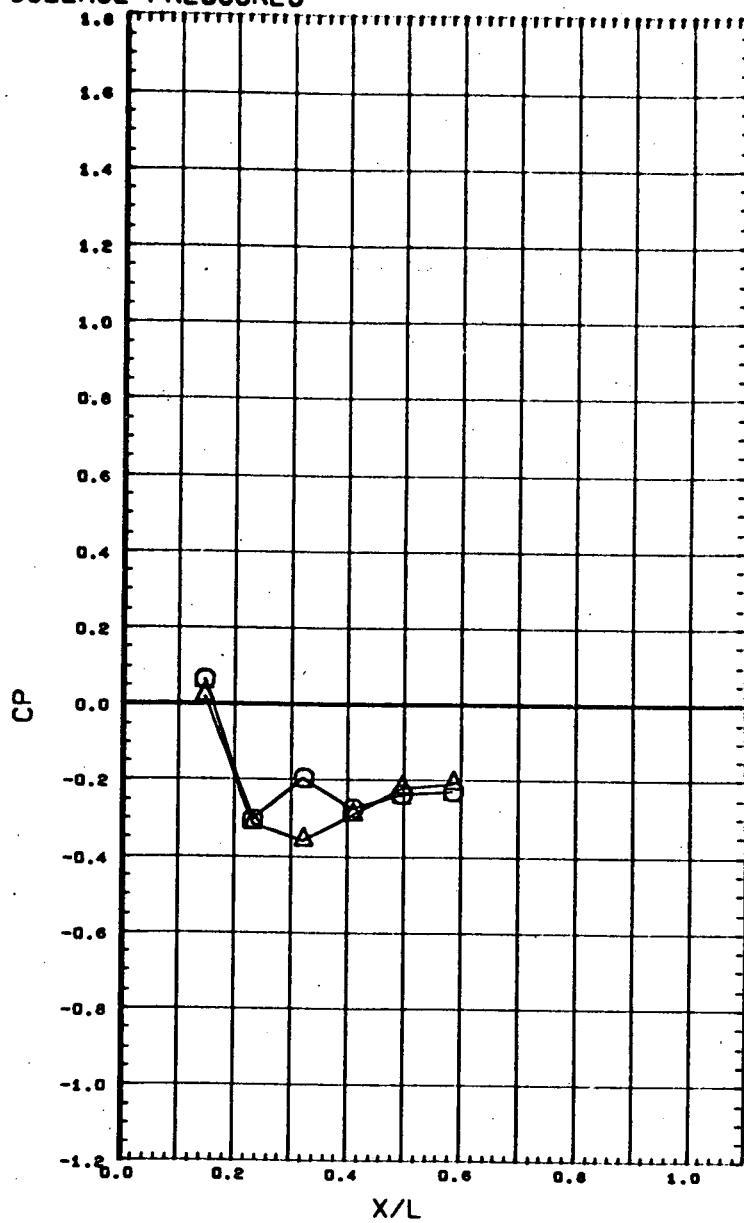
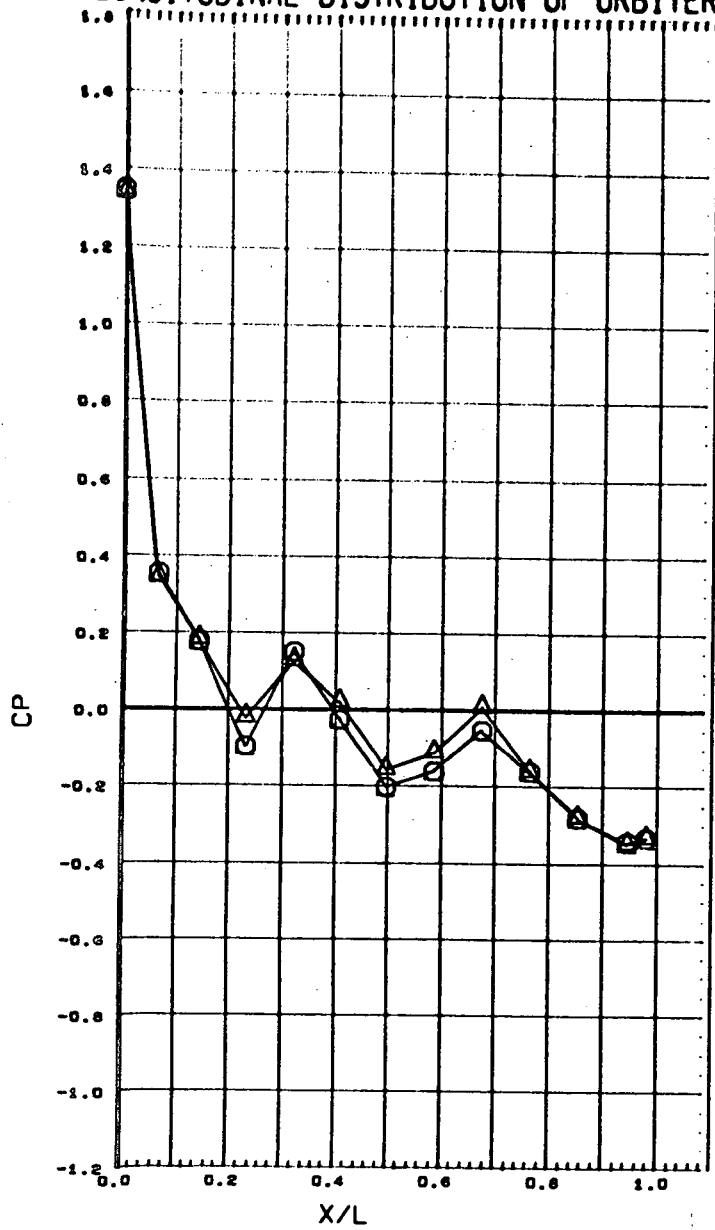
SYMBOL	BETA	Y/B	M1
○	6.178	0.000	1.099
◇	4.110	0.076	
△	2.033		
□	0.268		
■	1.827		

REFERENCE FILE



PARAMETRIC VALUES		
ALFB	0.000	OX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.902	0.000	1.099
△	5.993	0.076	

PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

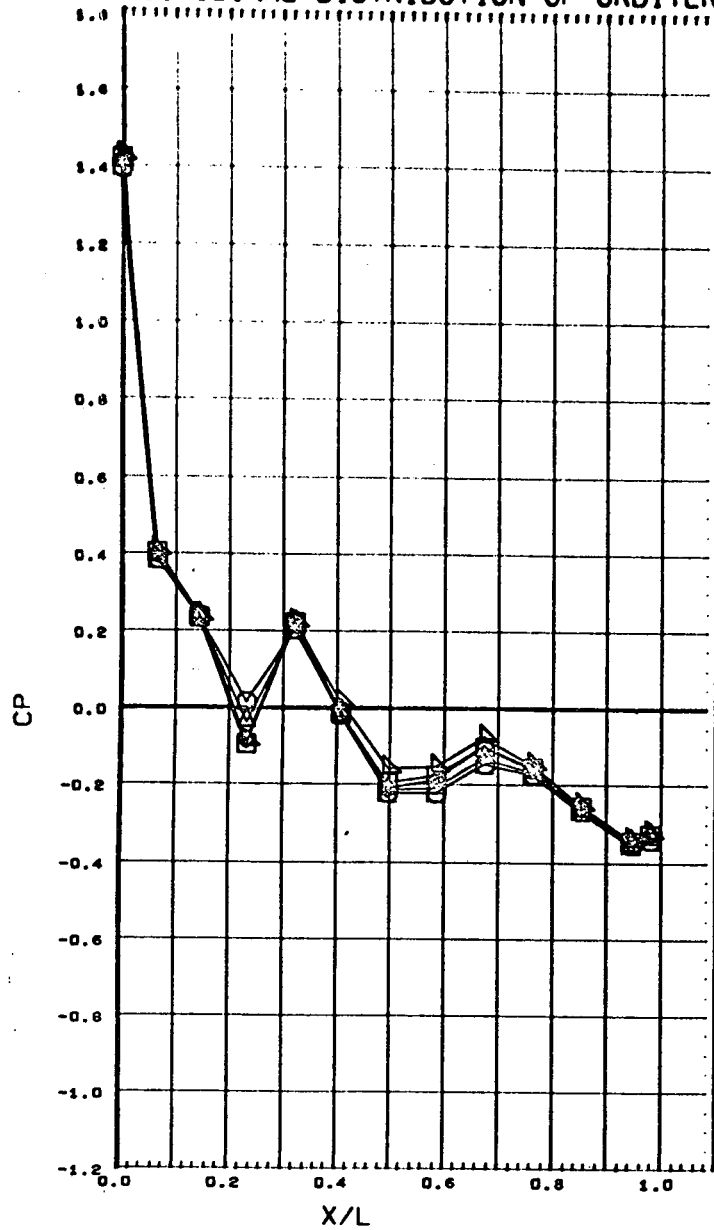
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

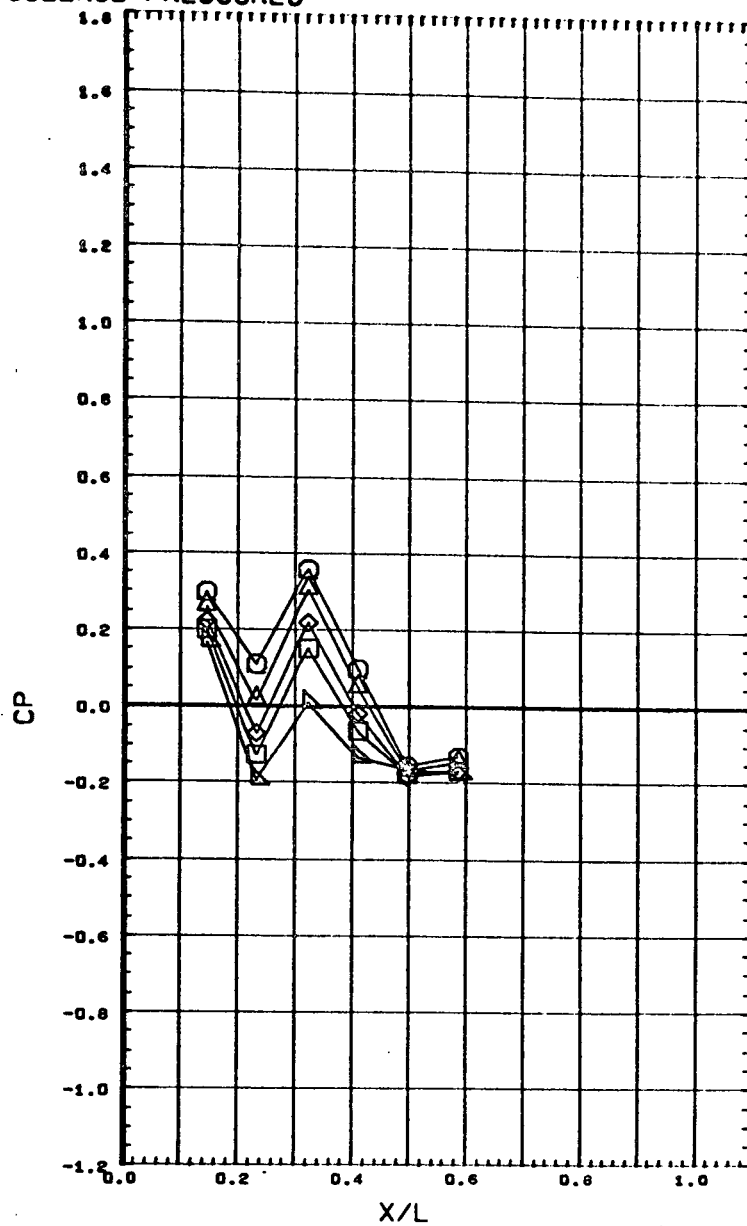
PAGE 161

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



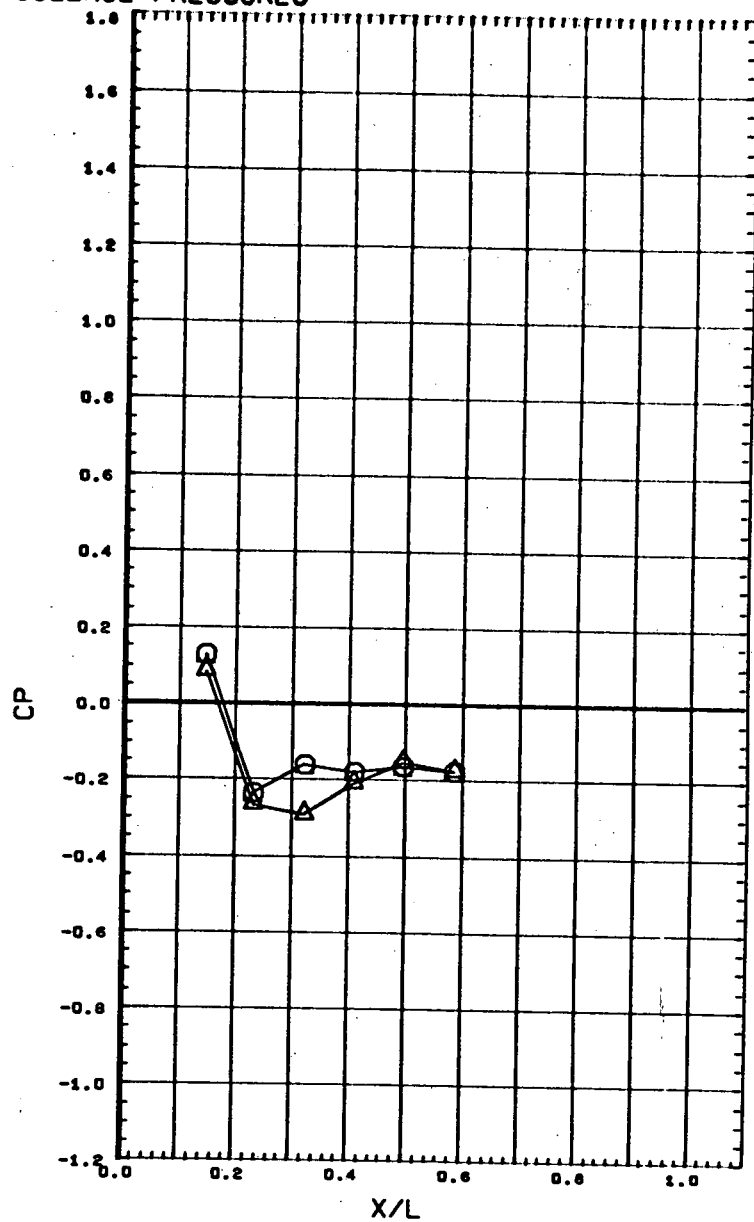
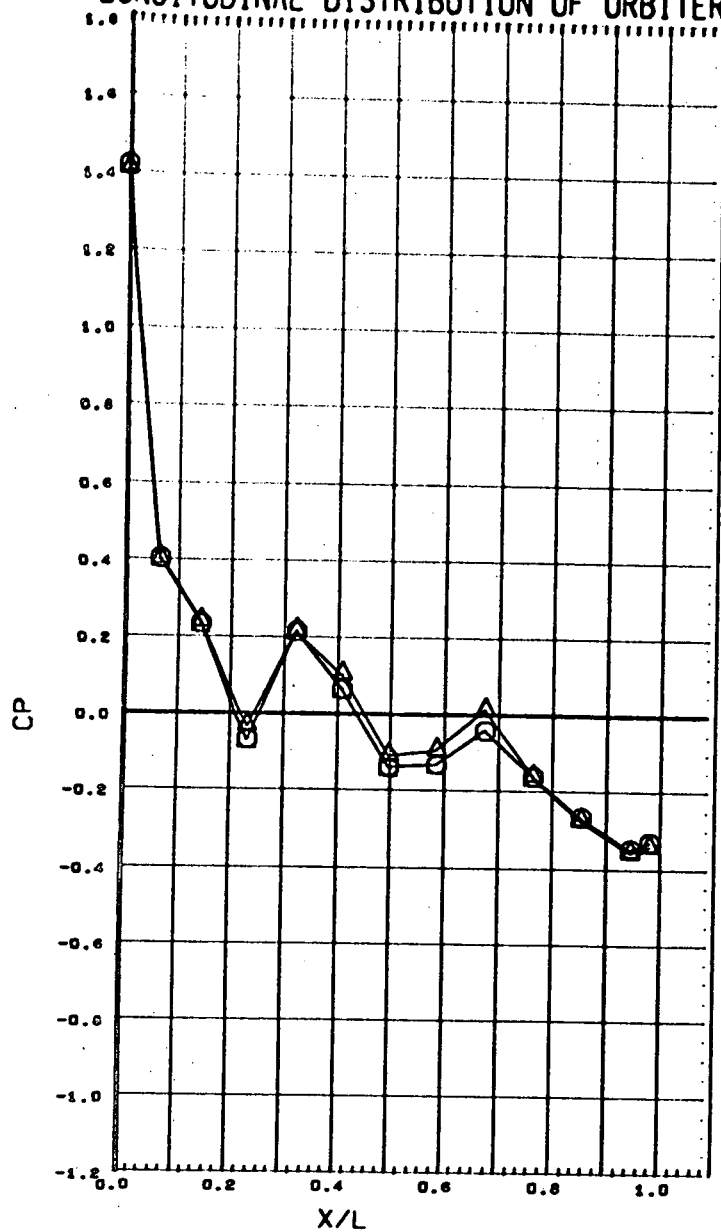
SYMBOL	BETA	Y/B	M1
○	6.194	0.000	1.201
△	4.117	0.076	
◇	1.825		
□	0.517		
▽	1.830		

REFERENCE FILE



PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.904	0.000	1.201
△	5.997	0.076	

PARAMETRIC VALUES		
ALFB	0.000	DX/L
1	0.000	0.036

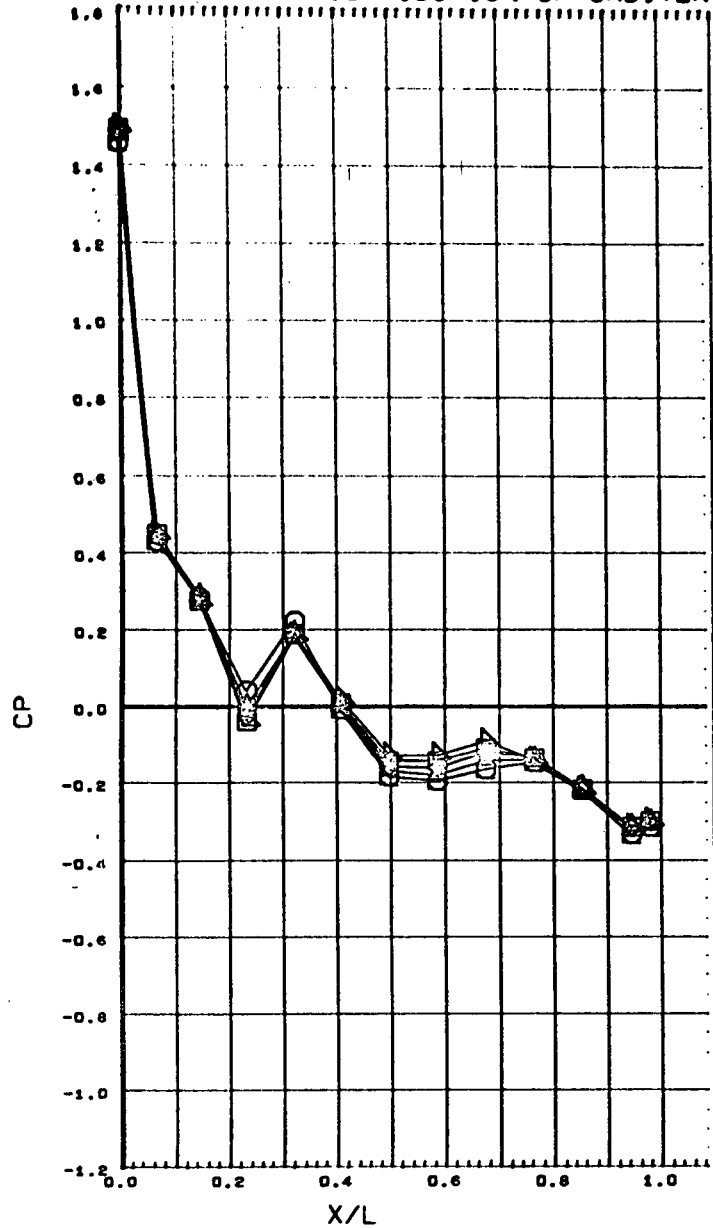
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

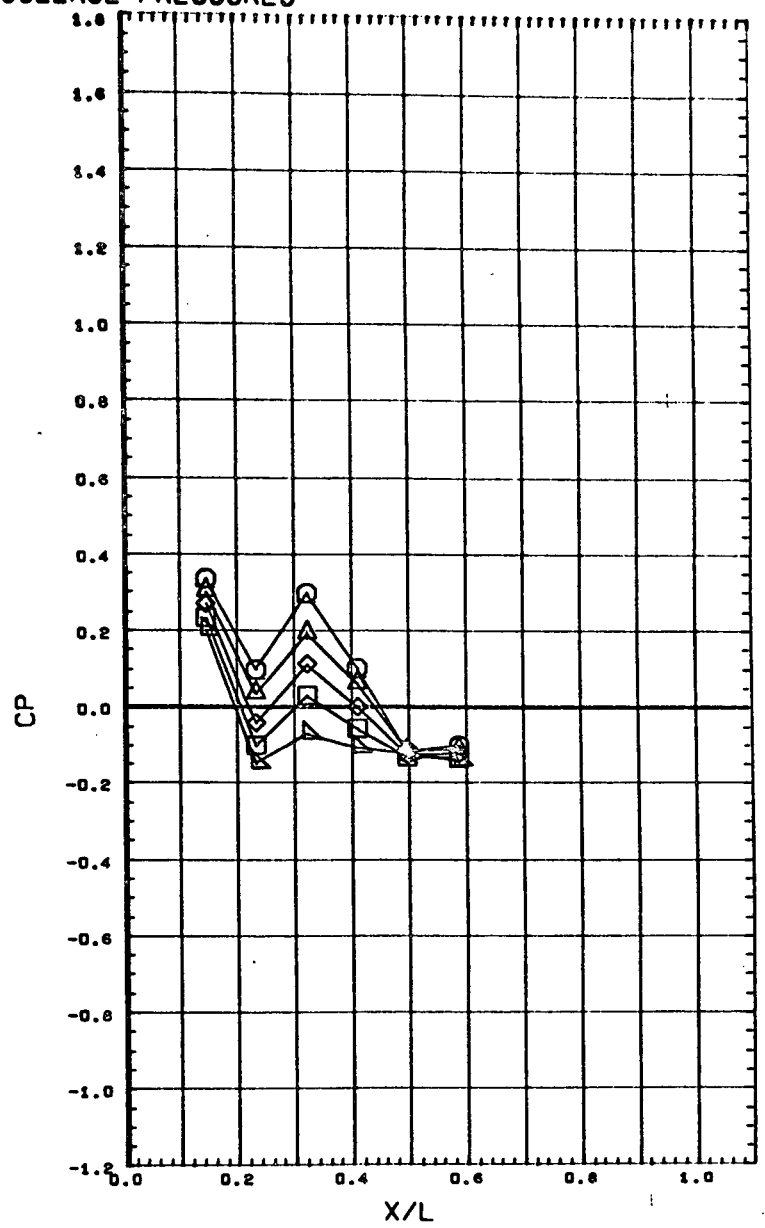
PAGE 163

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



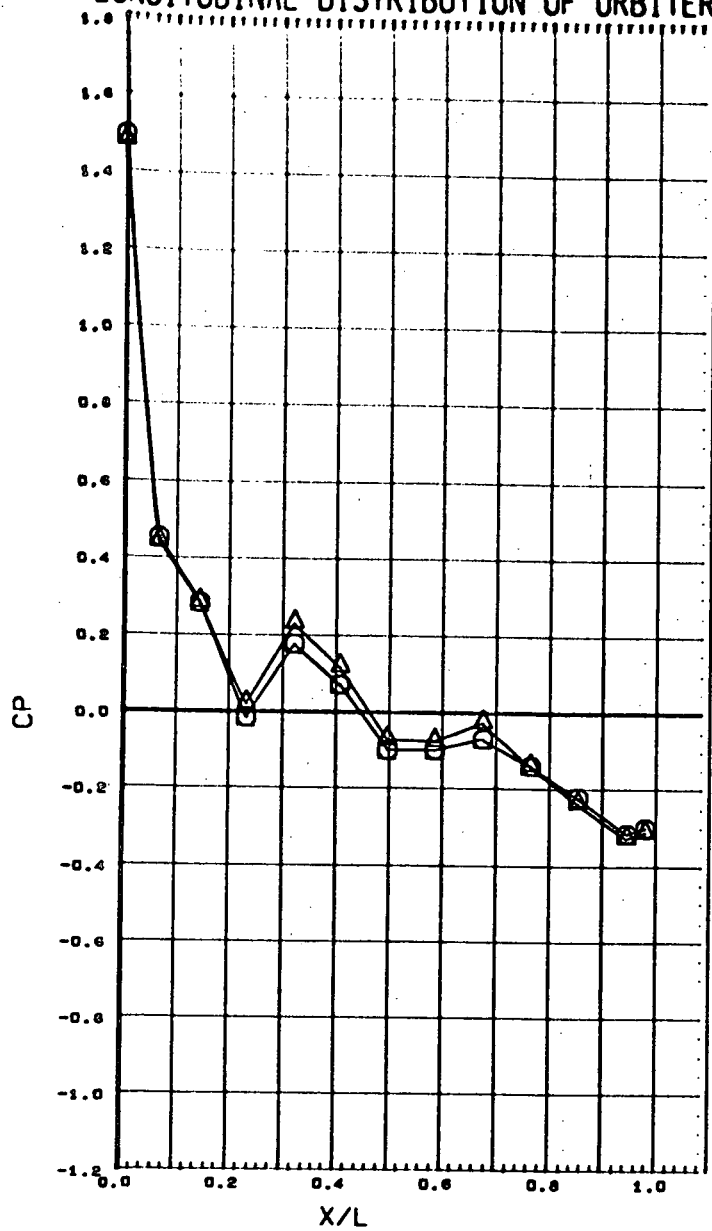
SYMBOL	BETA	Y/B	M1
○	6.217	0.000	1.299
△	4.137	0.076	
◇	2.051		
□	0.270		
—●—	1.816		

REFERENCE FILE

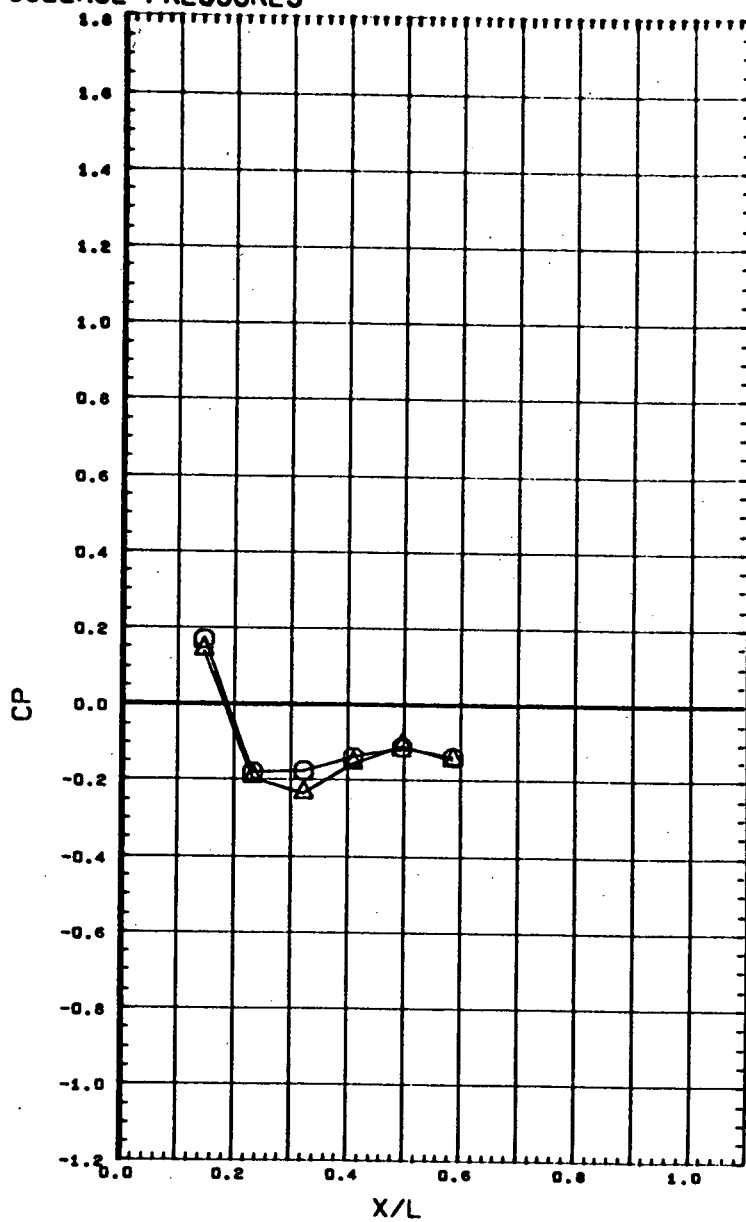


ALFB	PARAMETRIC VALUES	DX/L	0.036
1	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.882	0.000	1.299
△	5.980	0.076	



PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

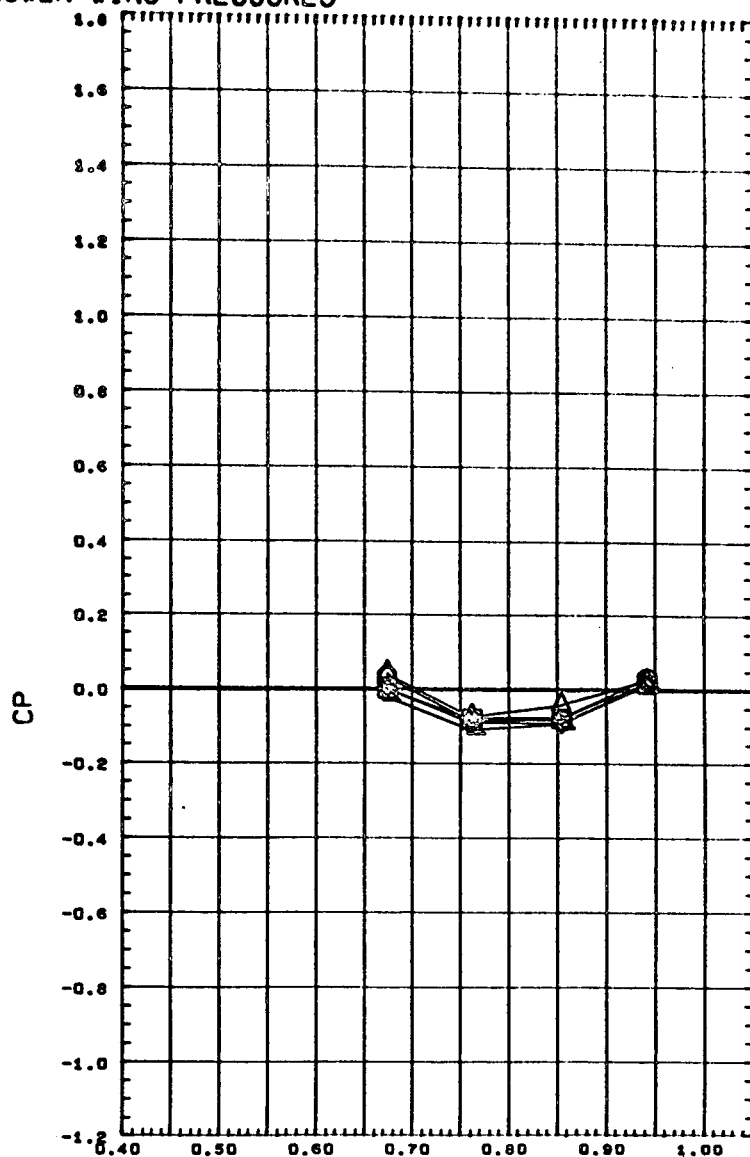
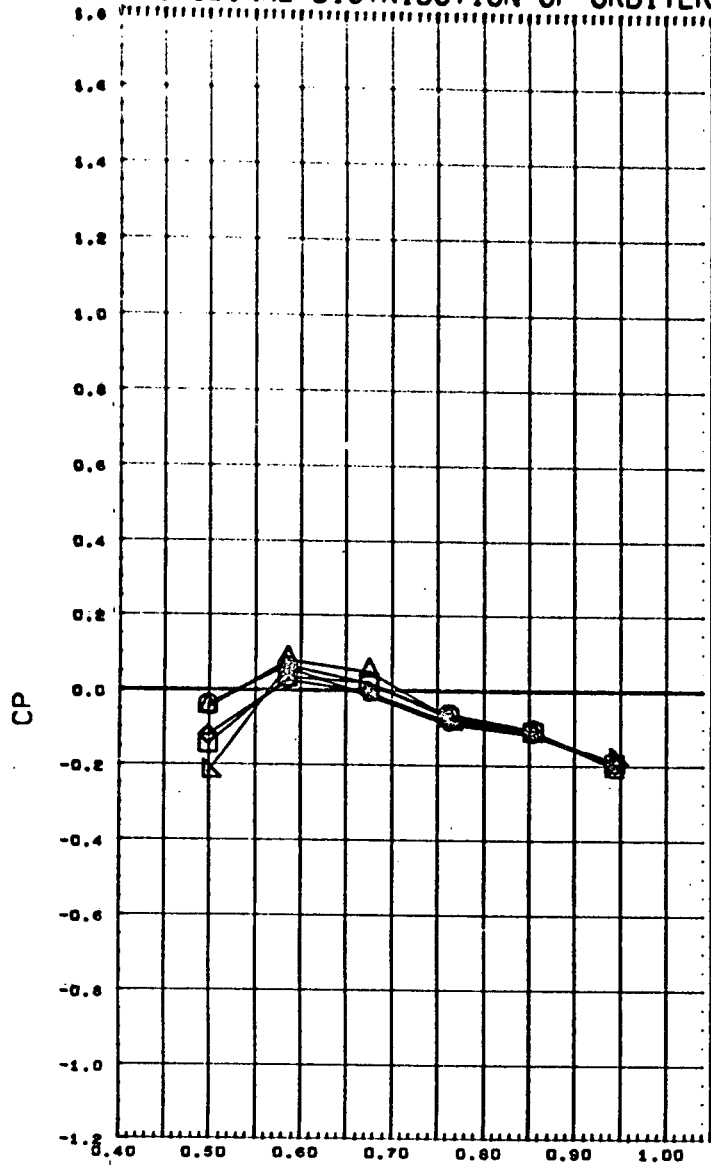
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

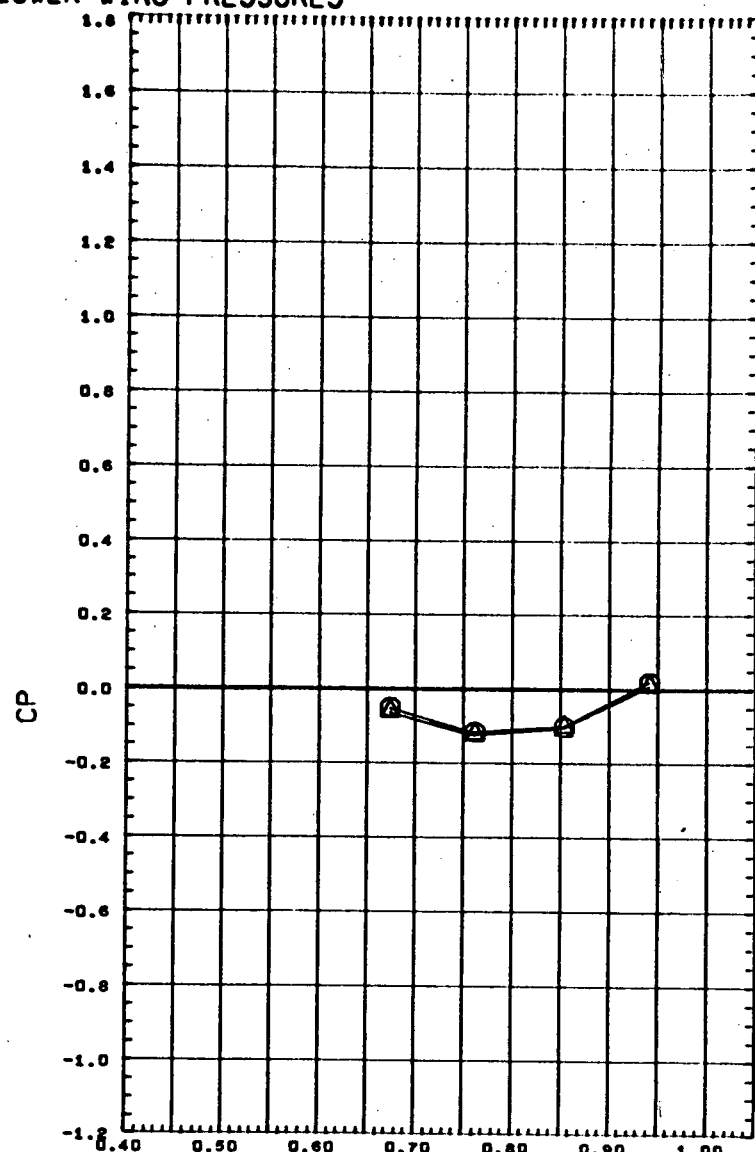
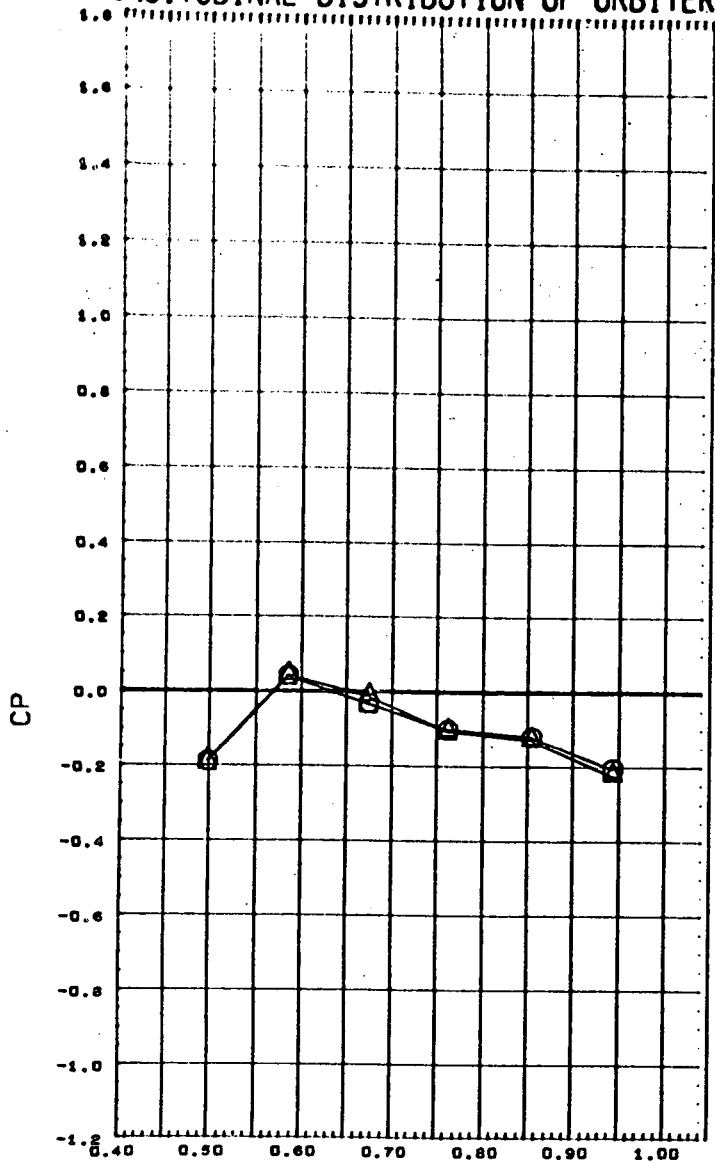


SYMBOL	BETA	Y/B	X/L
○	3.037	0.230	0.599
△	4.023	0.399	
◇	1.978		
□	0.265		
▽	1.756		

REFERENCE FILE

ALFB	PARAMETRIC VALUES	DX/L
1	0.000	0.036
	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

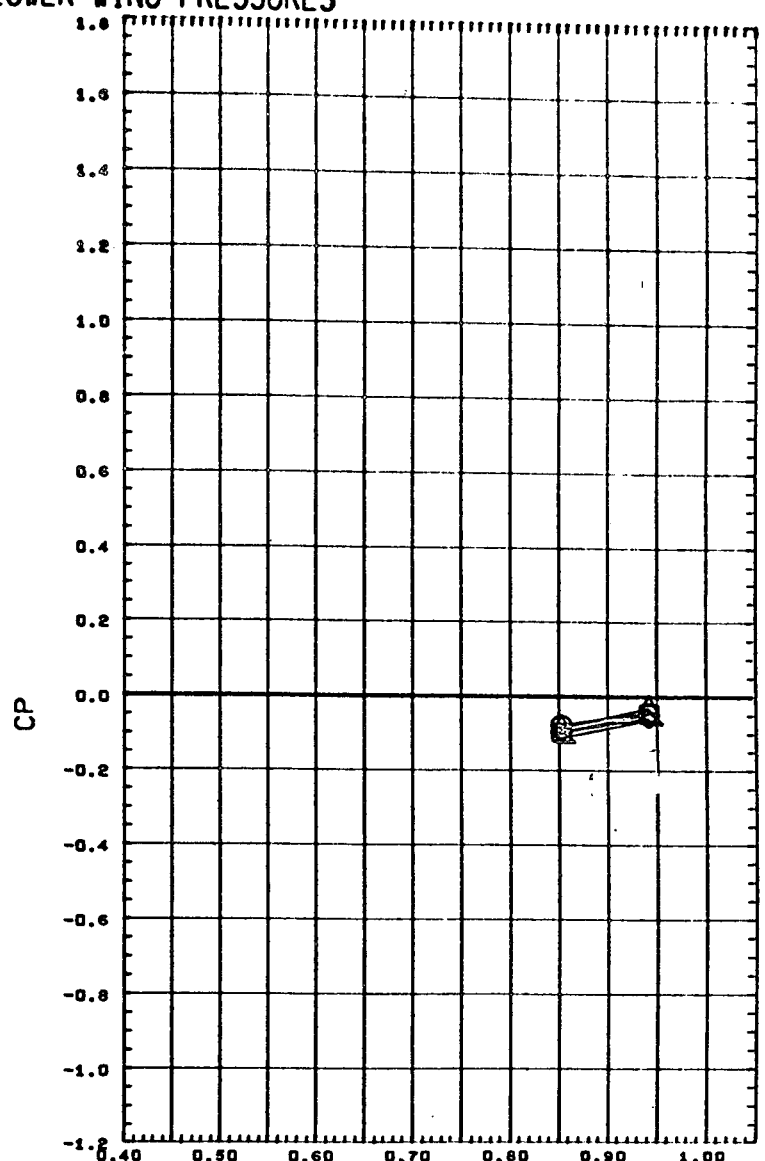
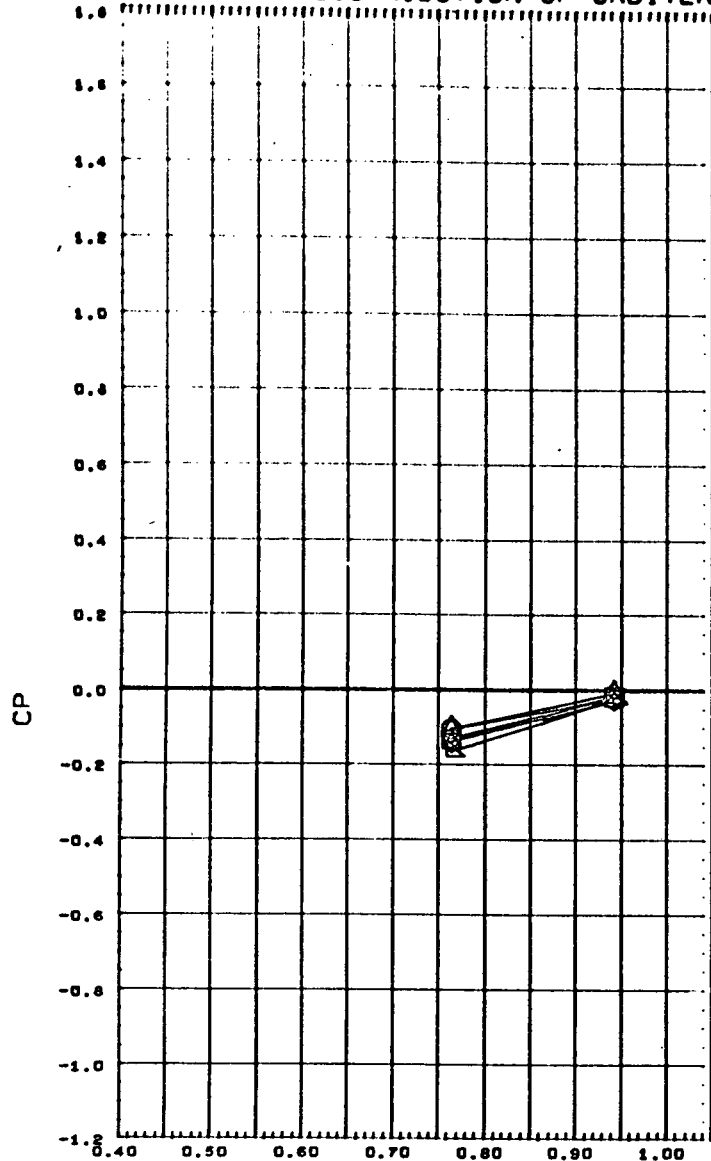


SYMBOL BETA Y/B M1
 O 3.761 0.230 0.599
 Δ 5.835 0.399

X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

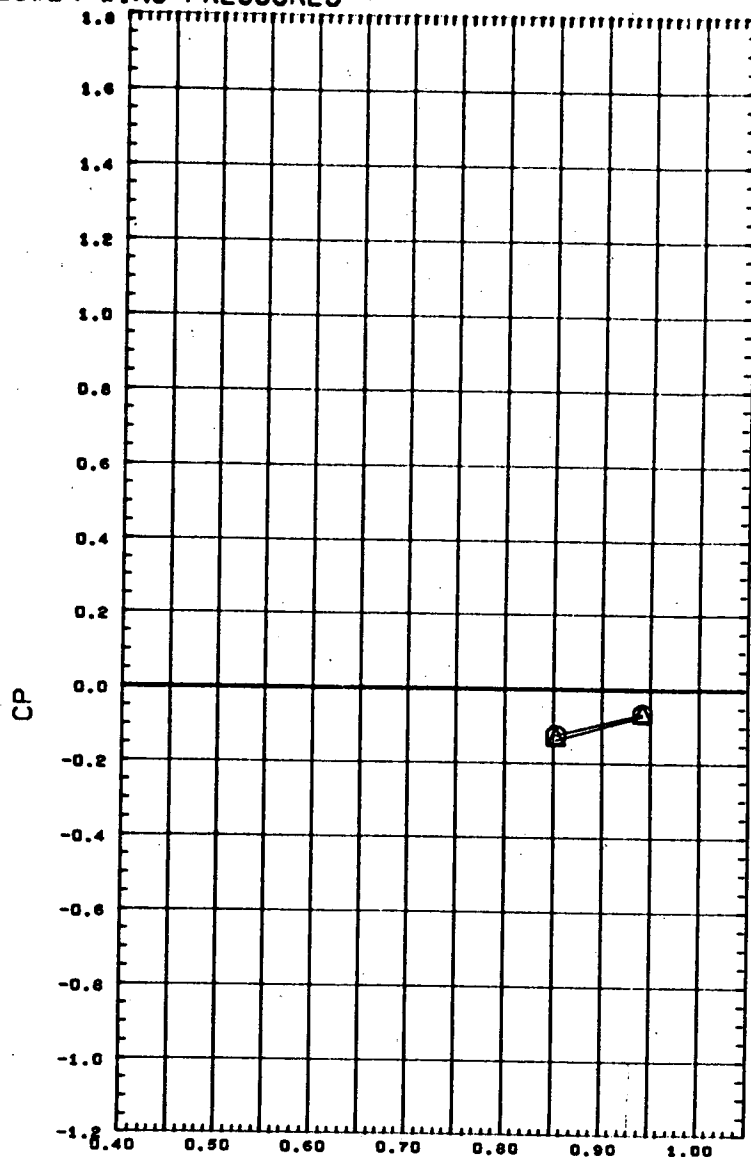
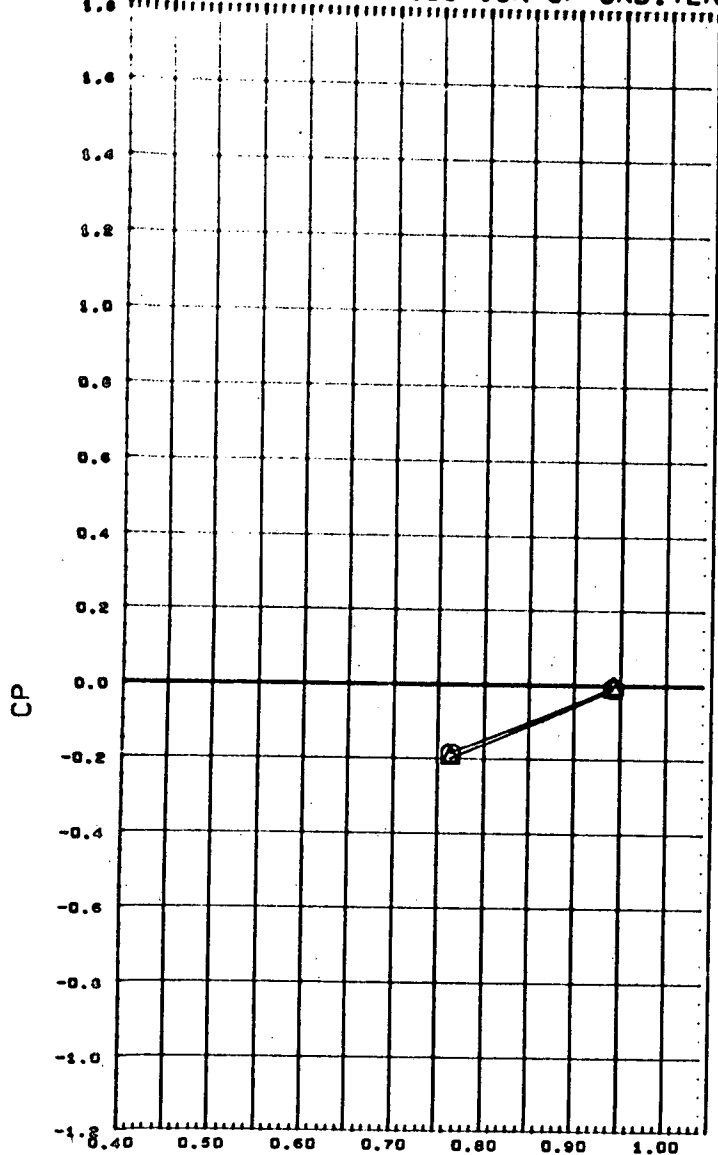
SYMBOL	BETA	Y/B	M1
○	- 6.037	0.568	0.599
△	- 4.023	0.738	
◇	- 1.978		
□	- 0.265		
◇	1.756		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL Δ BETA 3.761 Y/B 0.568 M1 0.599
 5.835 0.738

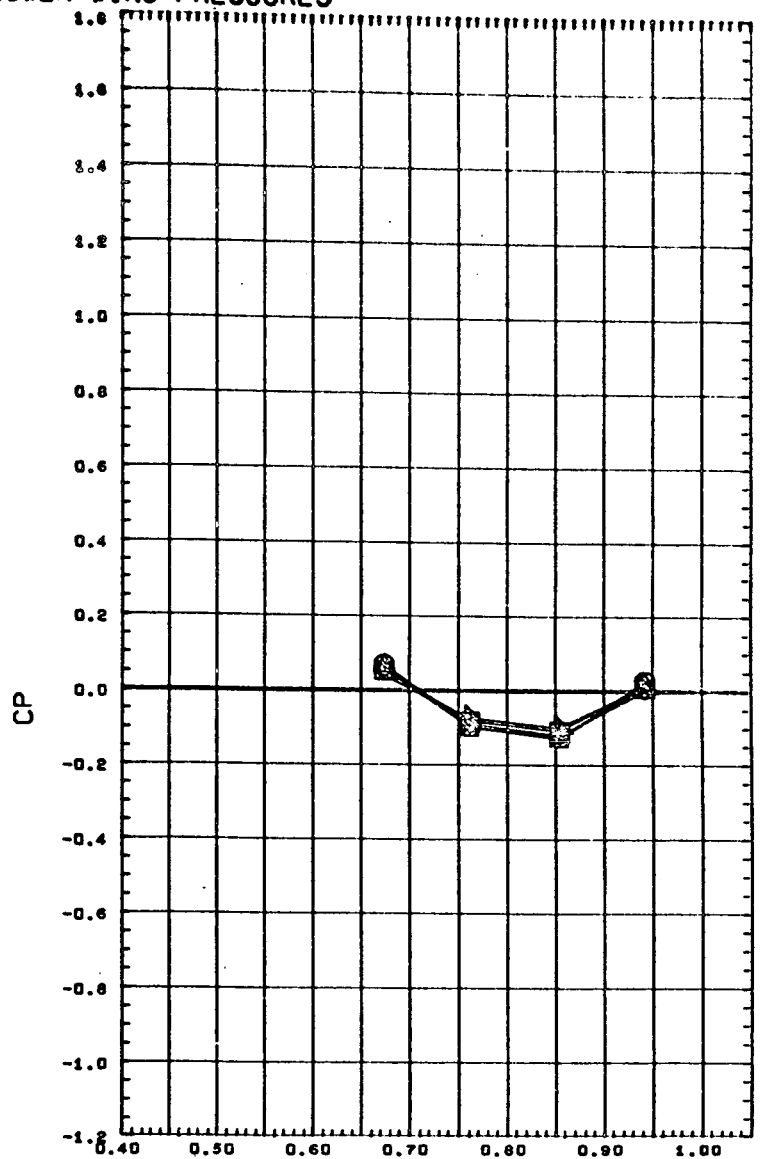
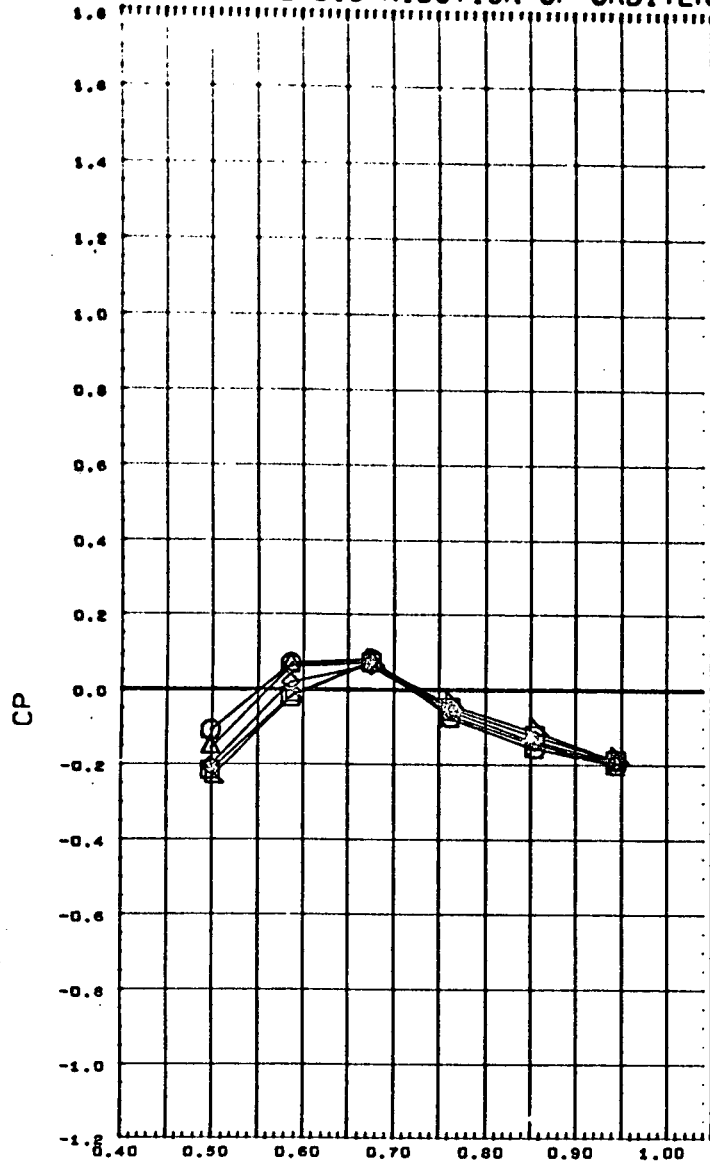
X/L
 ALFB 0.000
 I 0.000
 PARAMETRIC VALUES
 0X/L 0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

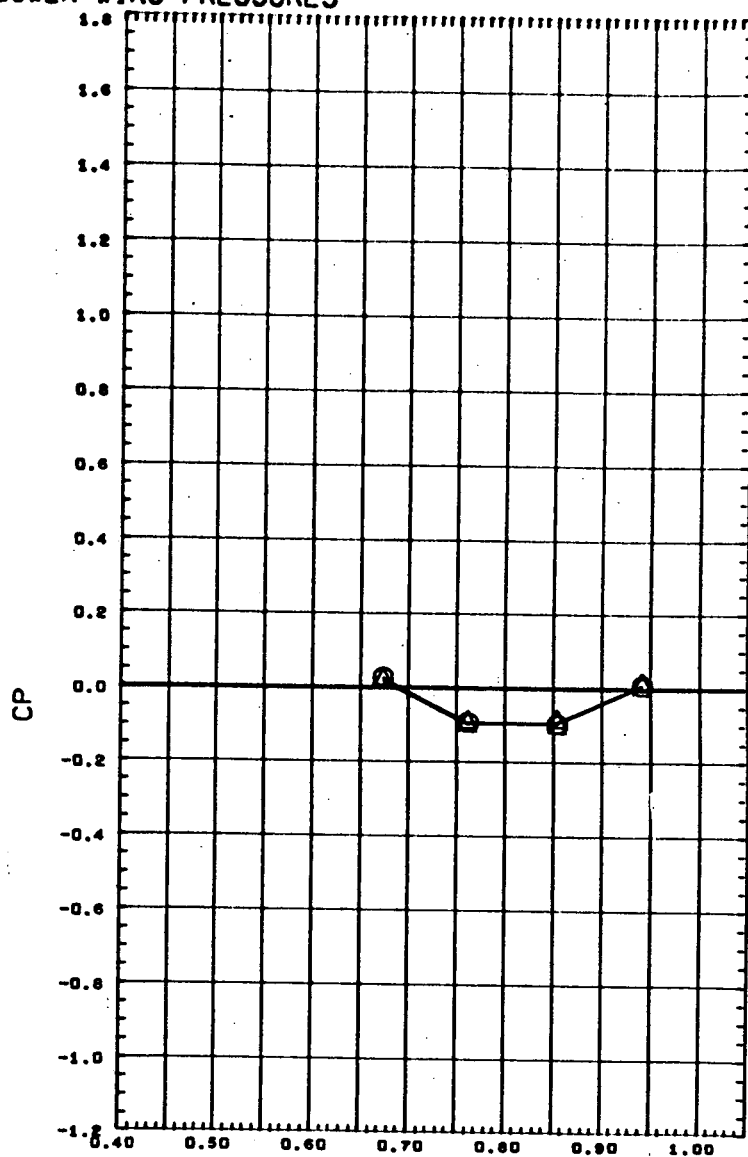
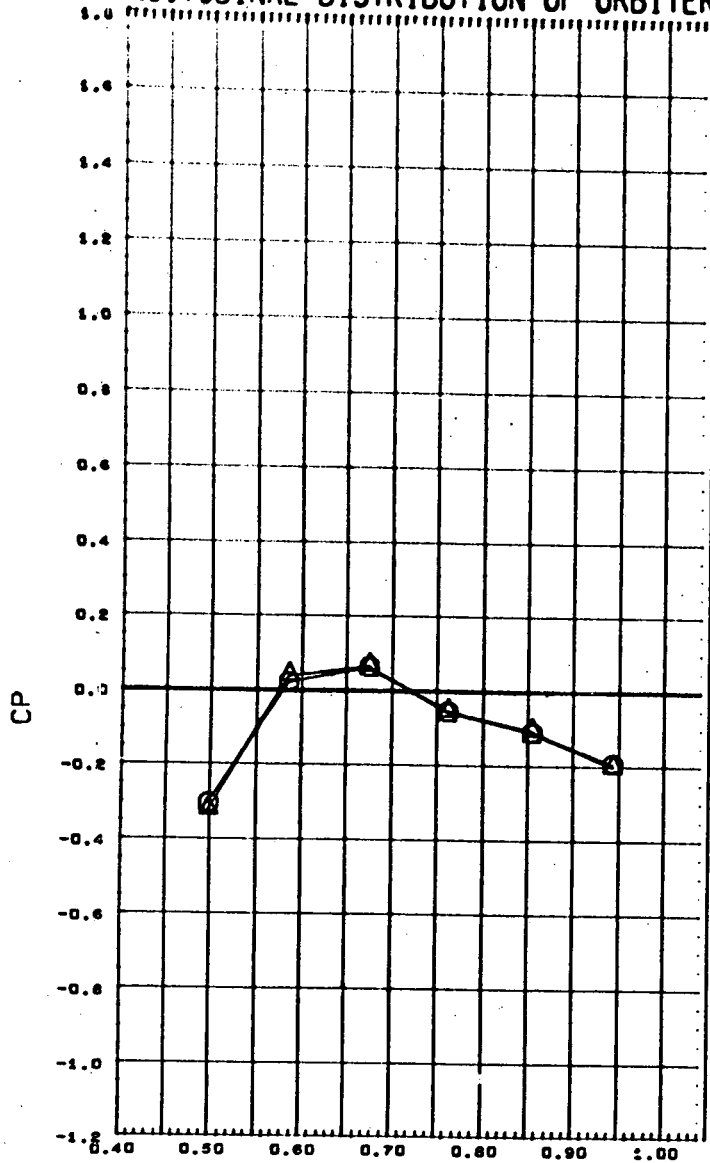


SYMBOL	BETA	Y/B	M1
○	6.113	0.230	0.899
△	4.054	0.399	
◇	2.008		
□	0.259		
+	1.804		

REFERENCE FILE

X/L	PARAMETRIC VALUES
ALFB	0.000
I	0.000
DX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

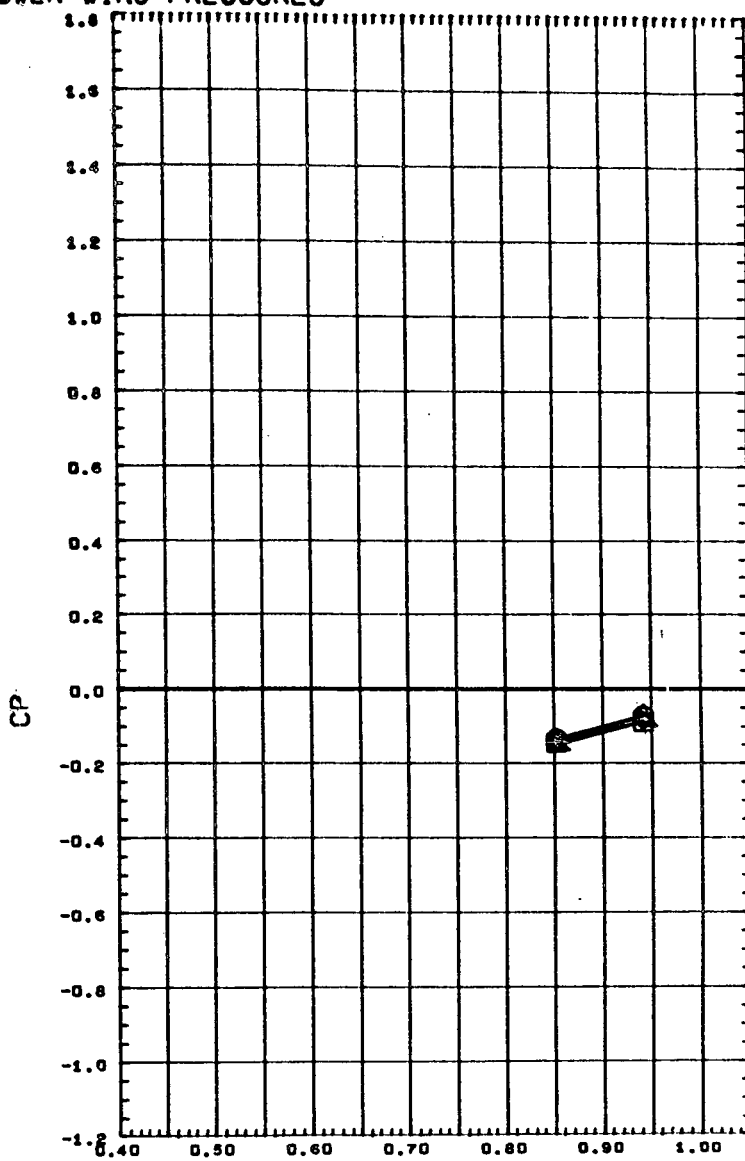
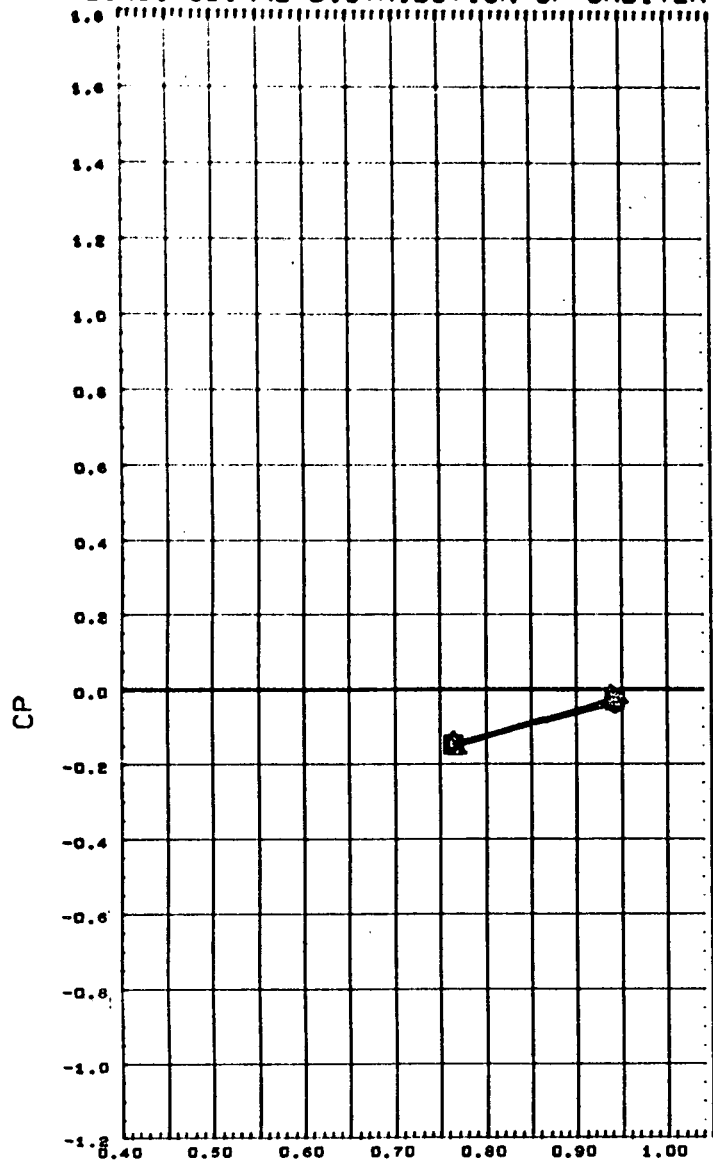


SYMBOL Δ BETA 3.845 Y/B 0.230 M1 0.899
 5.924 0.399

X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

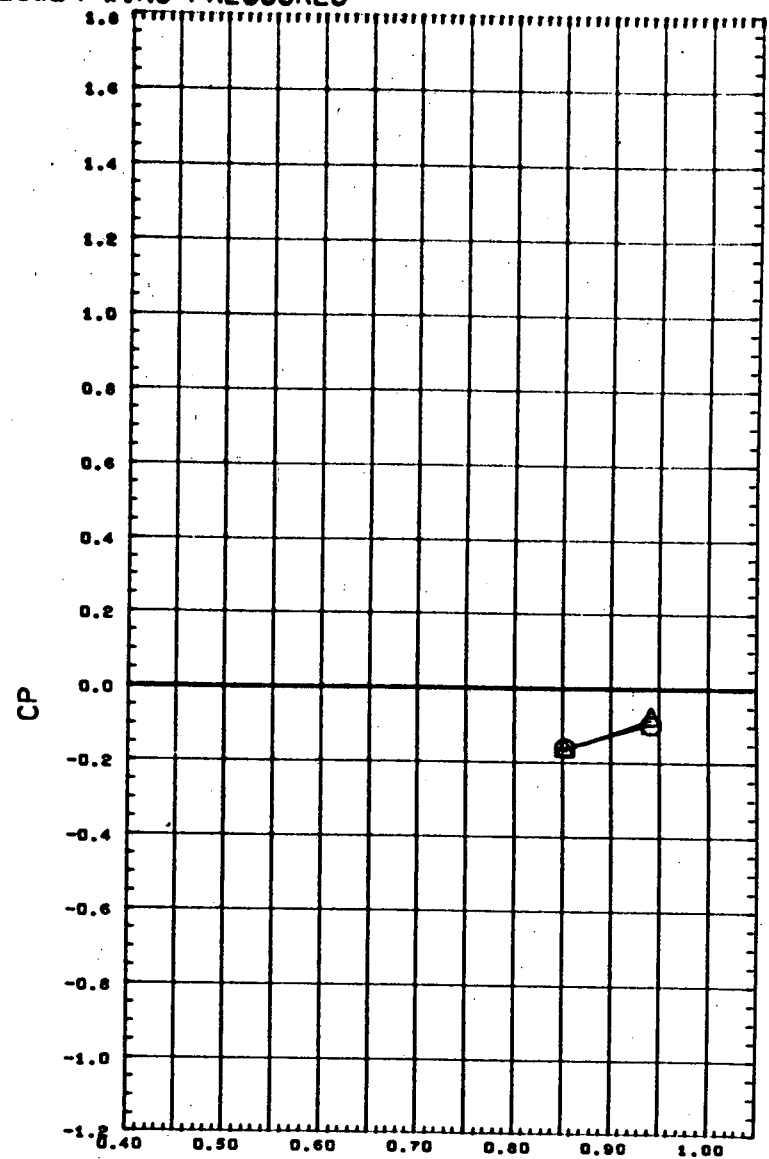
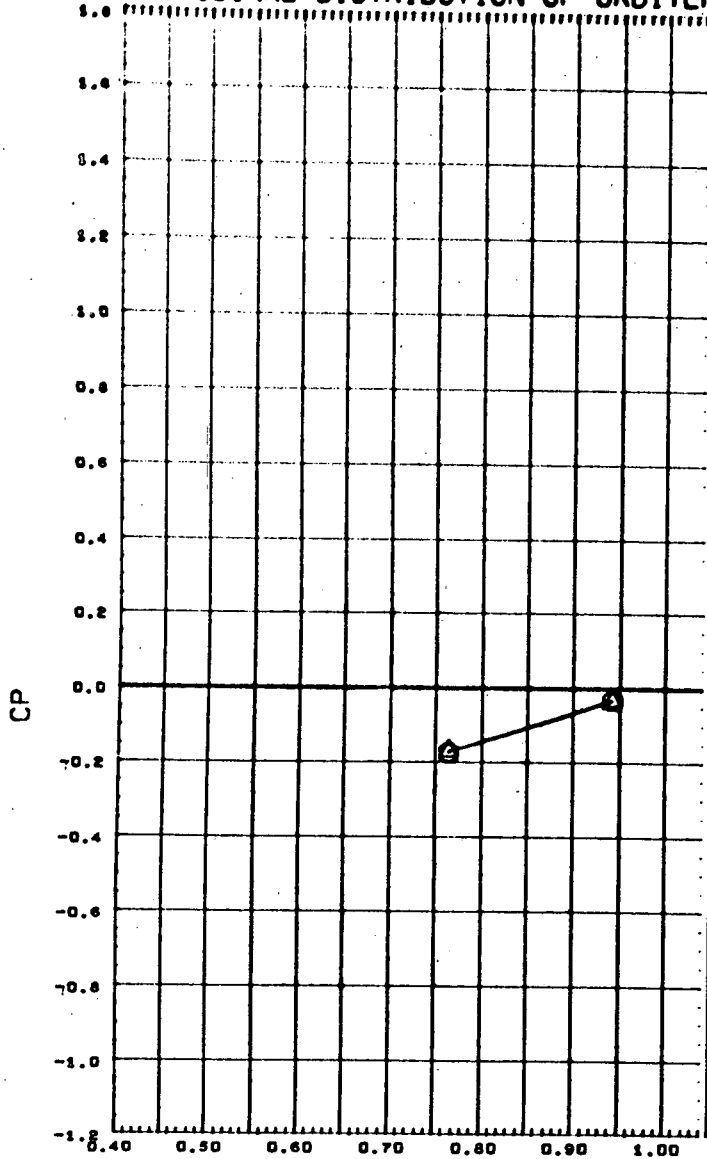


SYMBOL	BETA	Y/B	M1
○	6.113	0.568	0.899
△	4.054	0.738	
◇	2.008		
□	0.259		
	1.804		

REFERENCE FILE

PARAMETRIC VALUES		
ALFB	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL BETA Y/B M1
 ○ 3.845 0.568 0.899
 △ 5.924 0.738

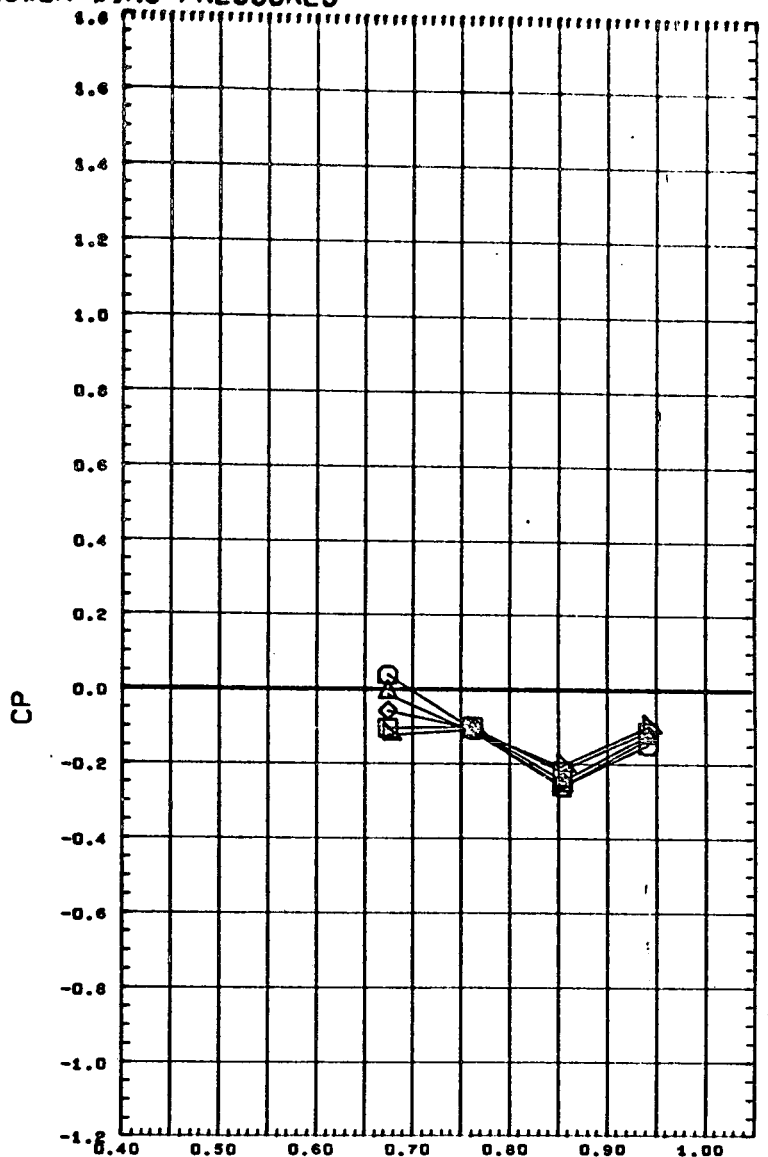
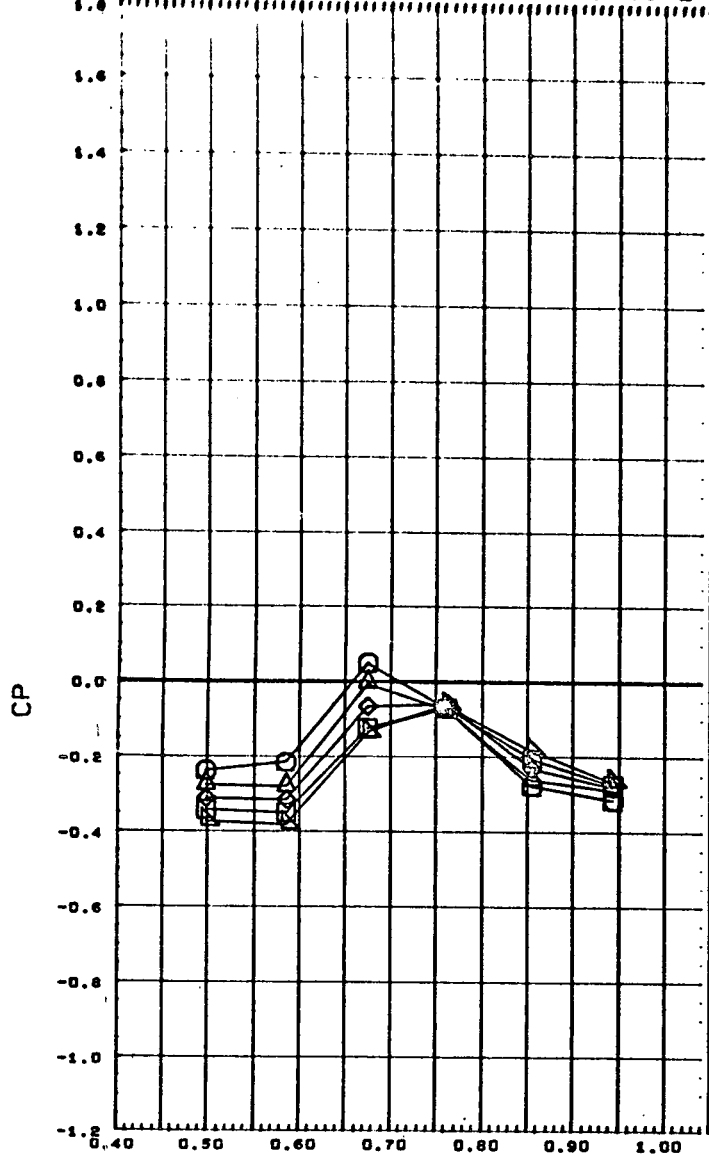
X/L
 PARAMETRIC VALUES
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 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

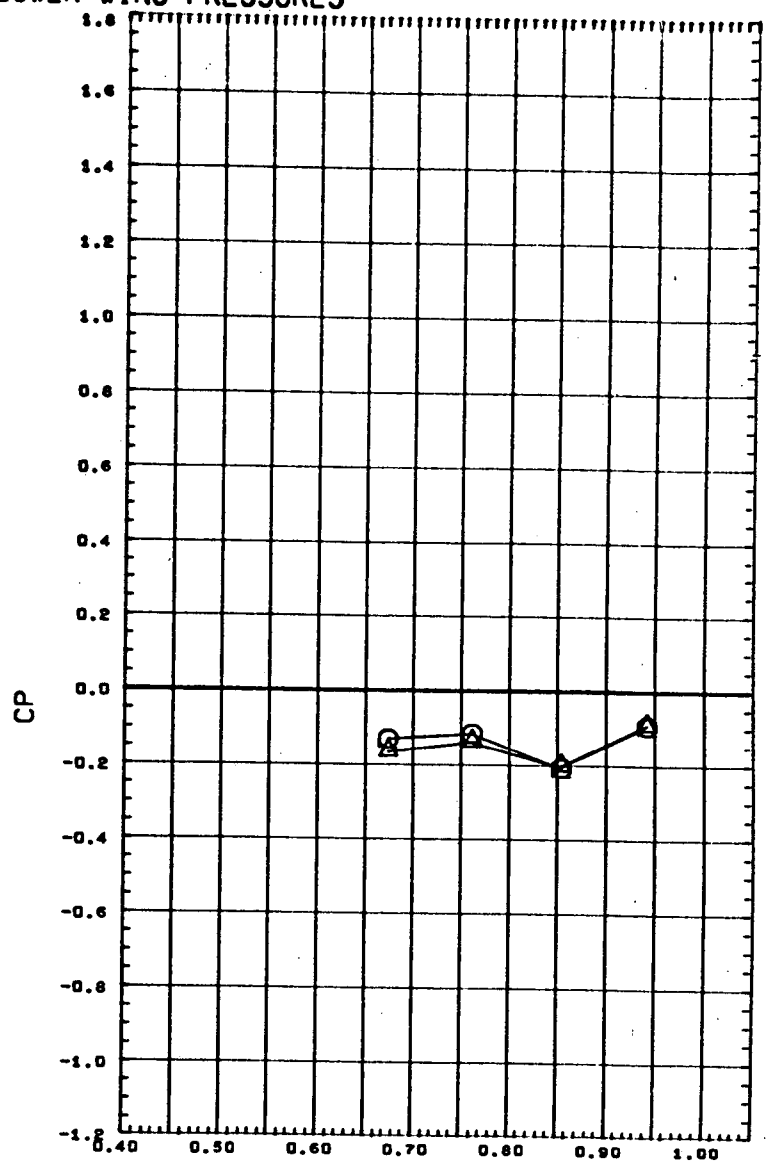
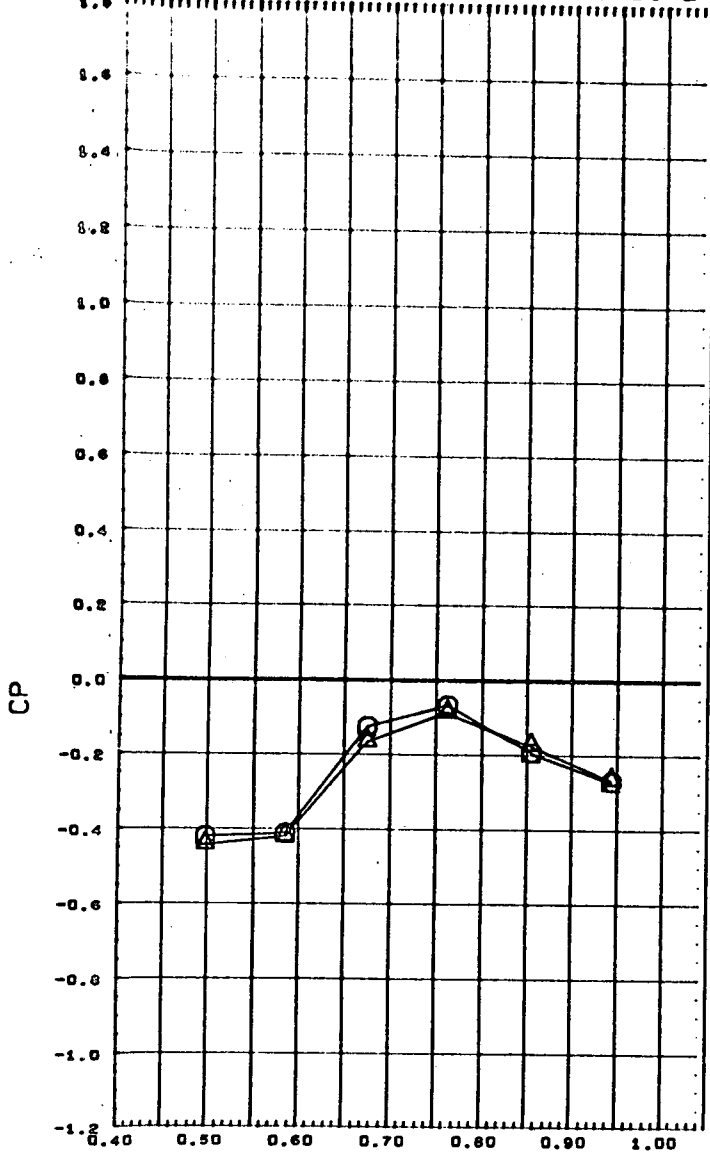


SYMBOL	BETA	Y/B	M1
○	5.858	0.230	1.004
△	3.758	0.399	
◇	1.727		
□	0.370		
▽	2.147		

REFERENCE FILE

X/L	PARAMETRIC VALUES		
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

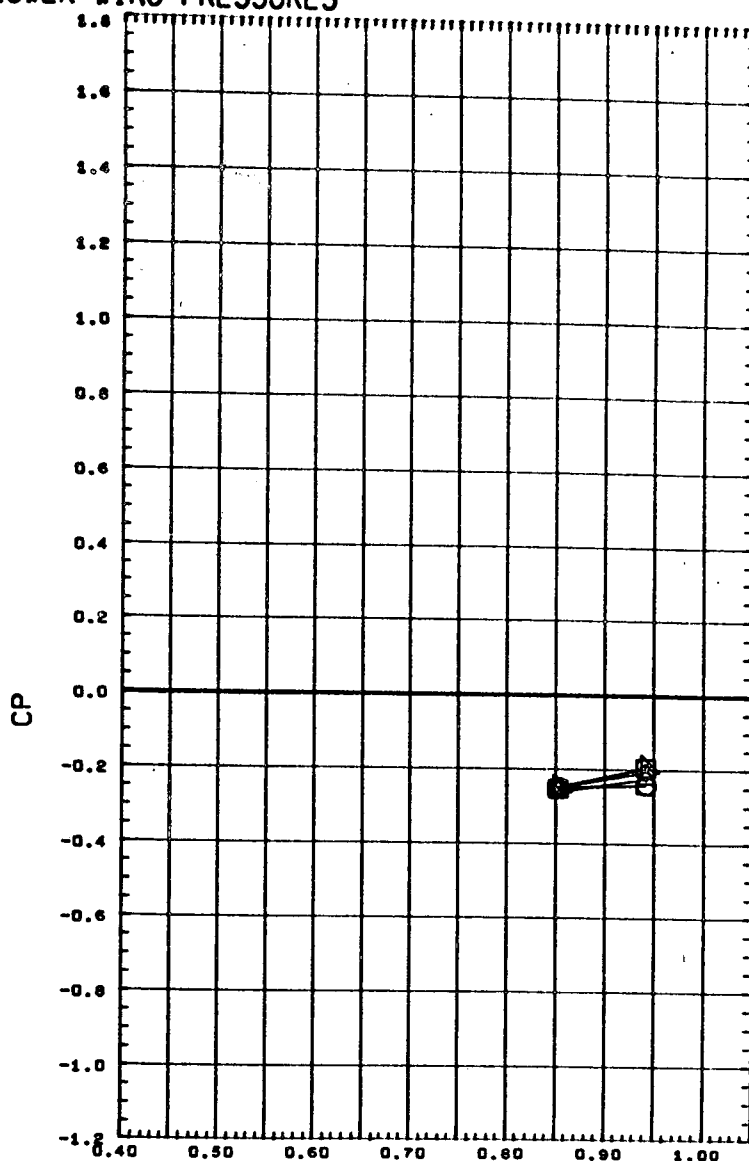
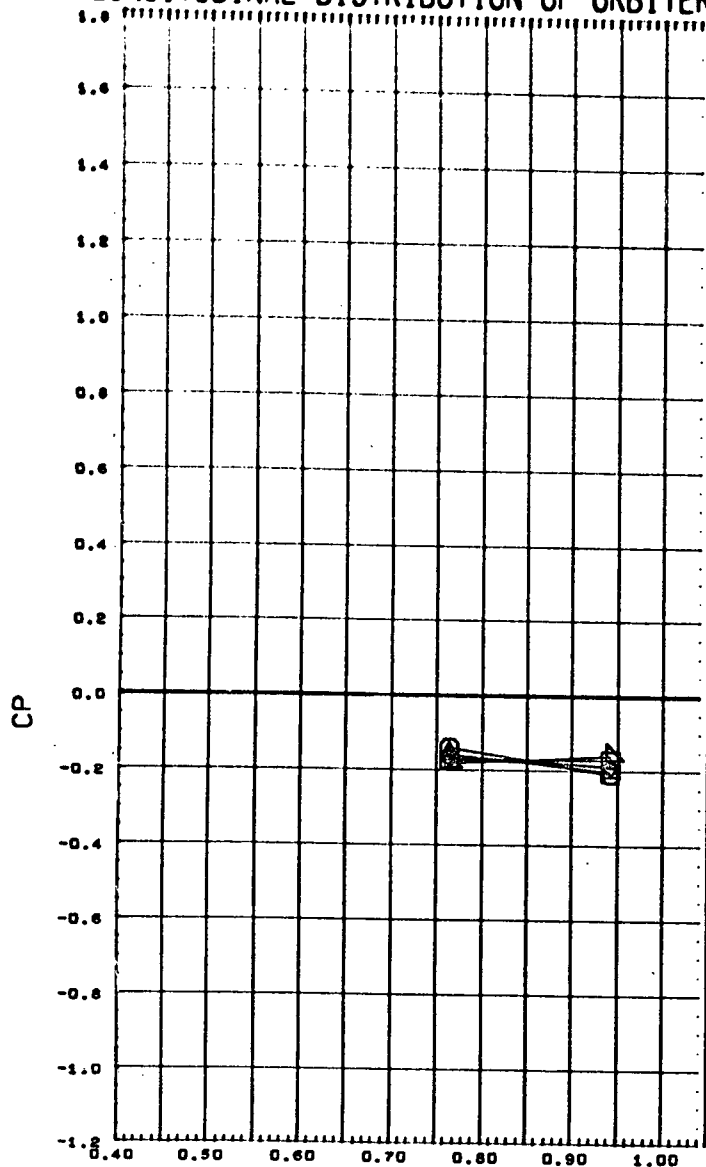


SYMBOL	BETA	Y/B	M1
○	4.227	0.230	1.004
△	6.297	0.399	

X/L	PARAMETRIC VALUES	
ALFB	0.000	DX/L
I	0.000	0.036

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

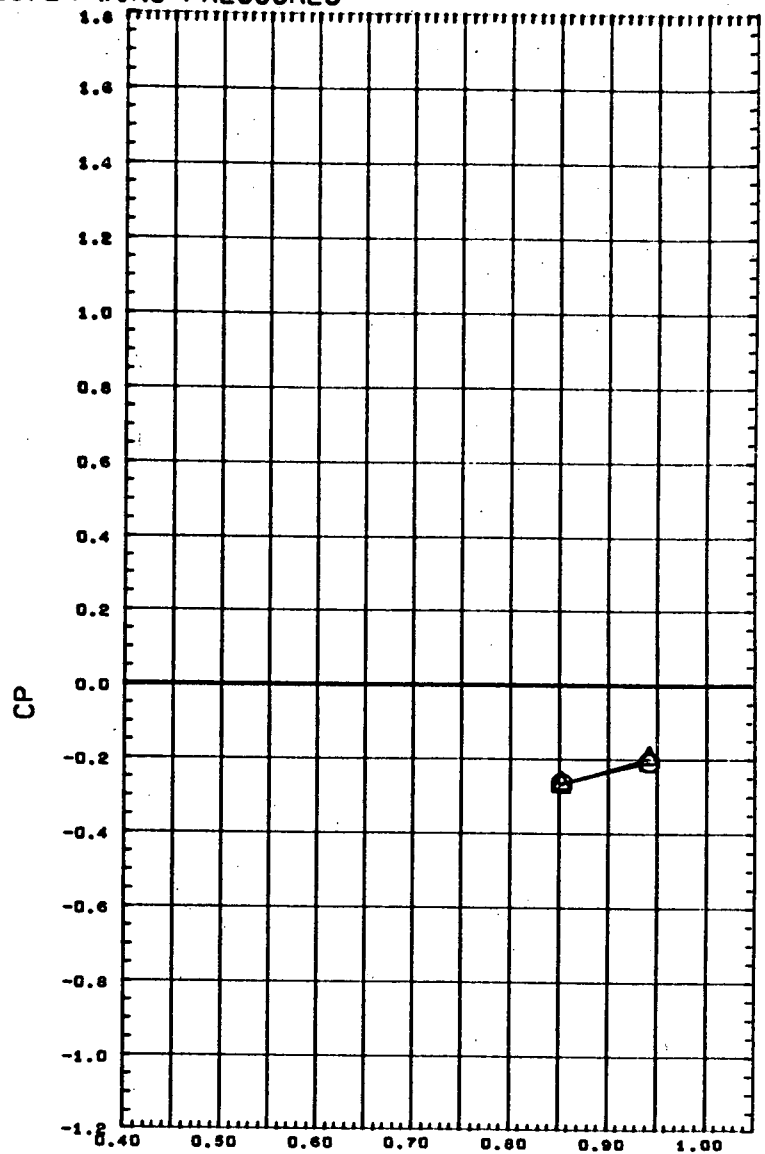
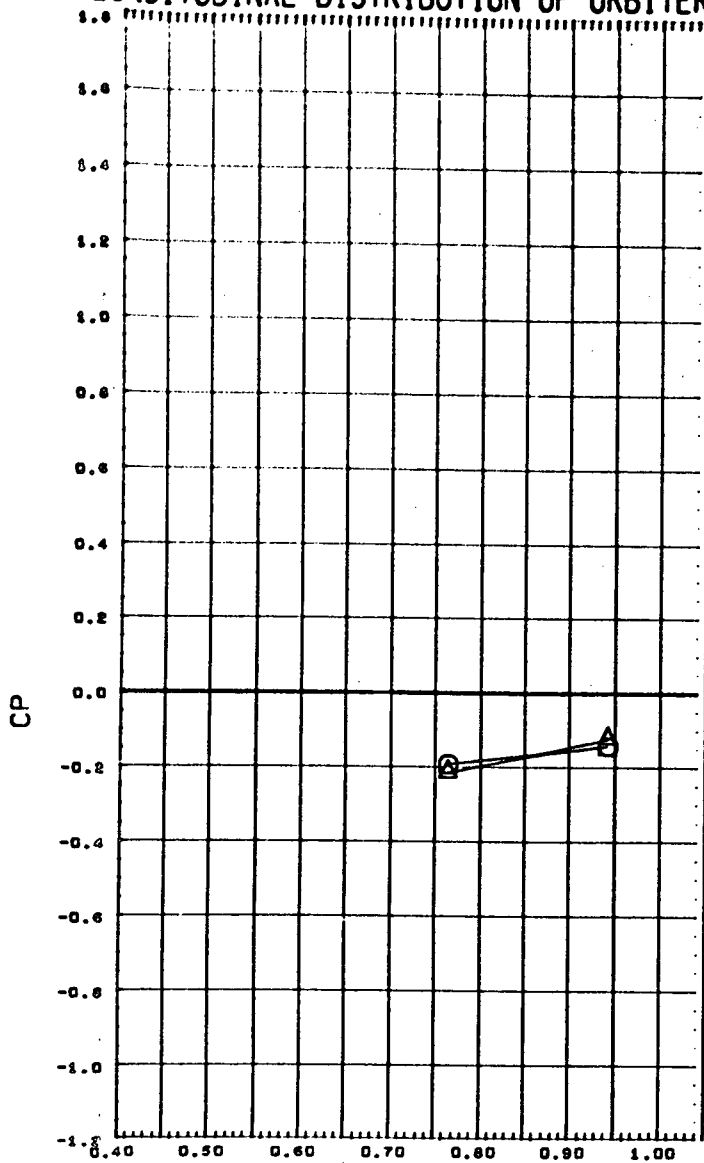


SYMBOL	BETA	Y/B	X/L	M1
○	5.858	0.568		1.004
△	3.758	0.738		
◇	1.727			
□	0.370			
■	2.147			

REFERENCE FILE

PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
□	4.227	0.568	1.004
△	6.297	0.738	

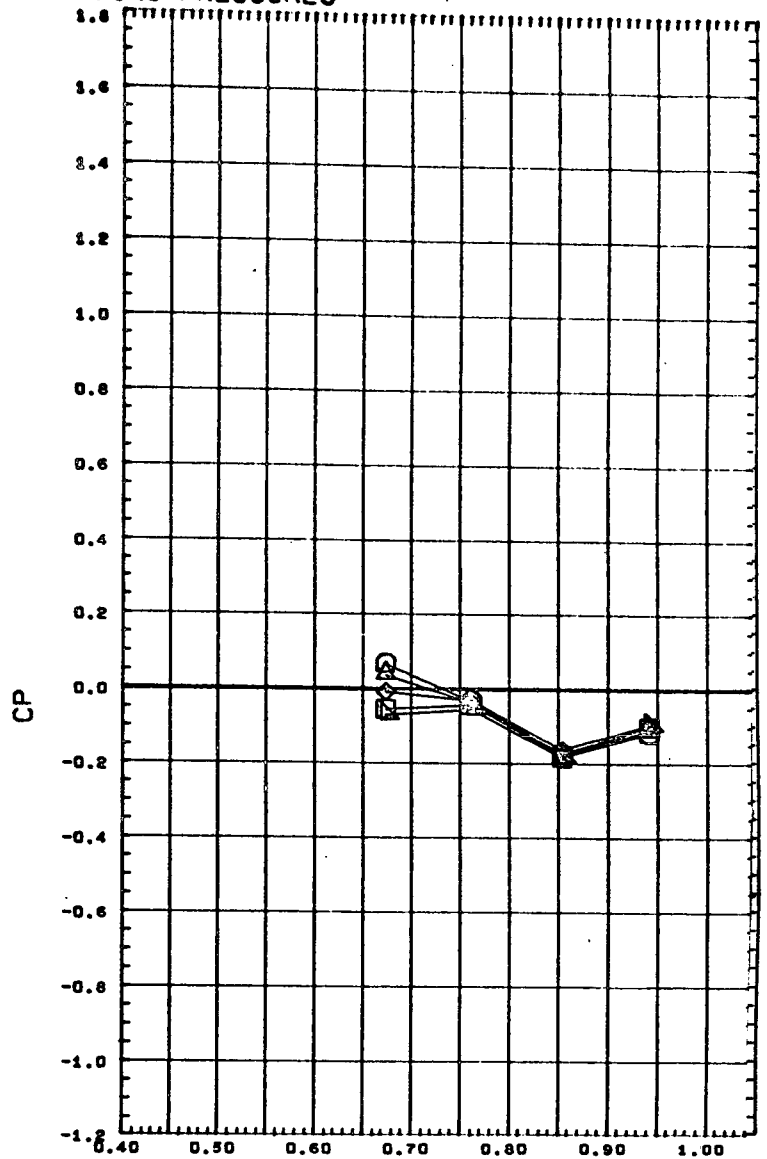
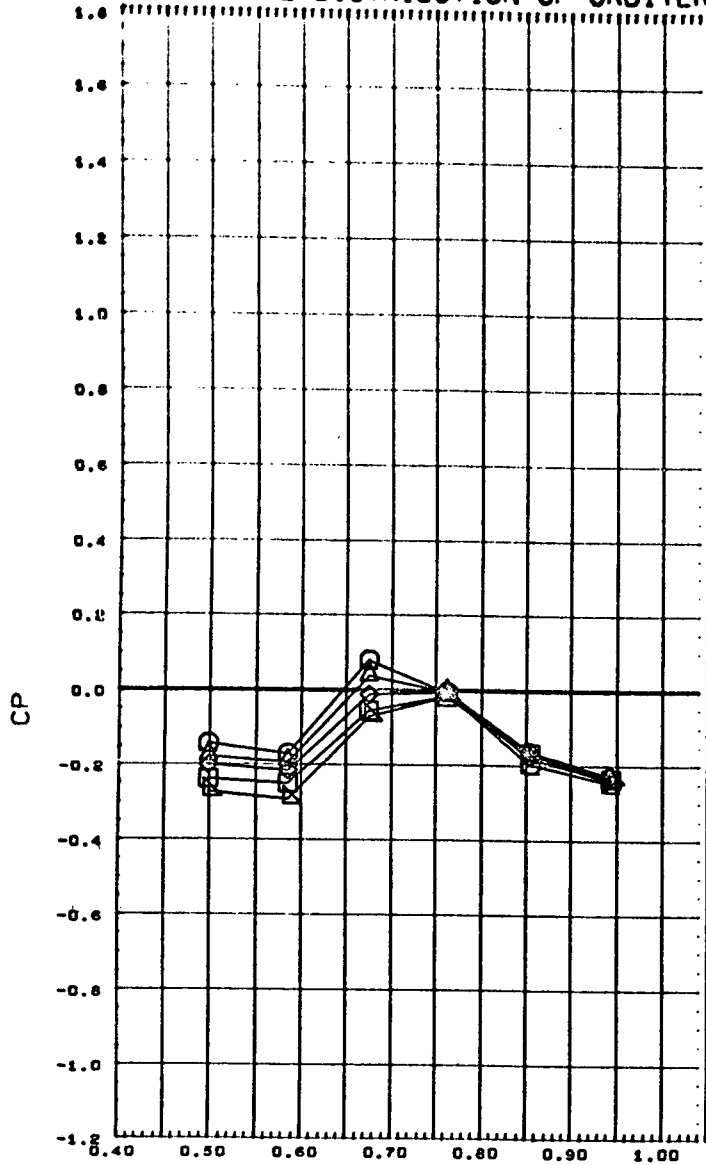
PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.036

REFERENCE FILE

AFDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

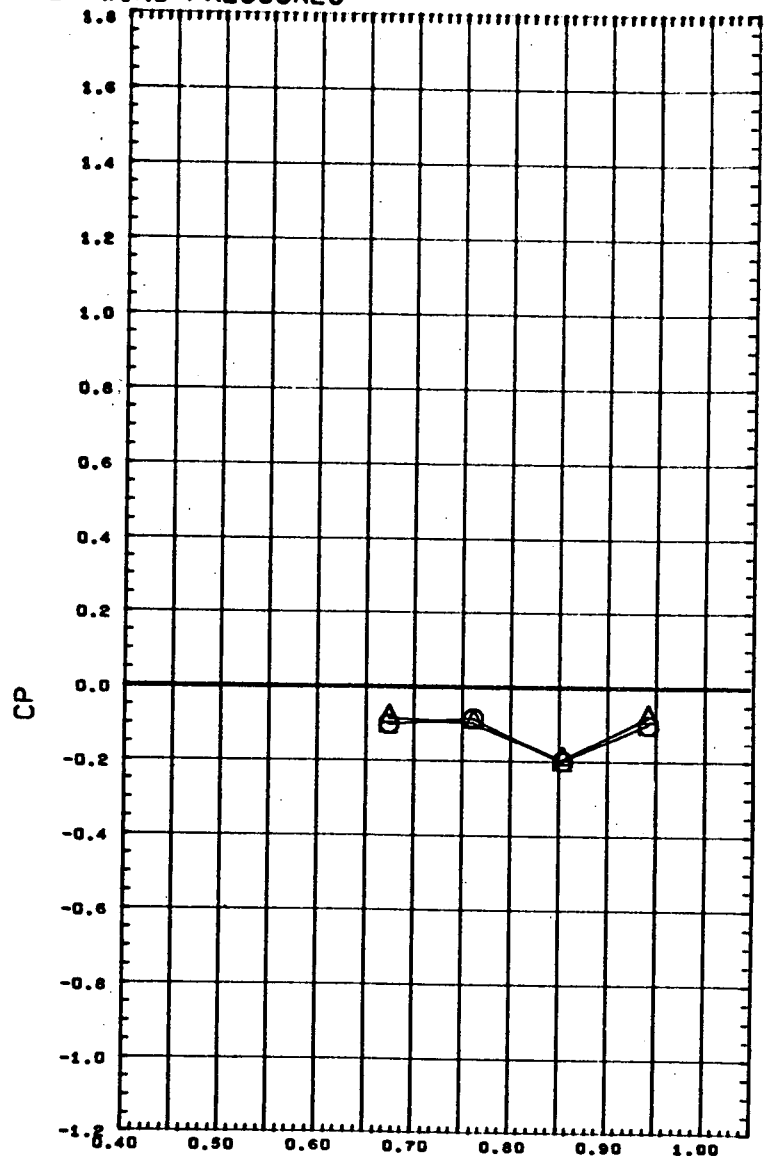
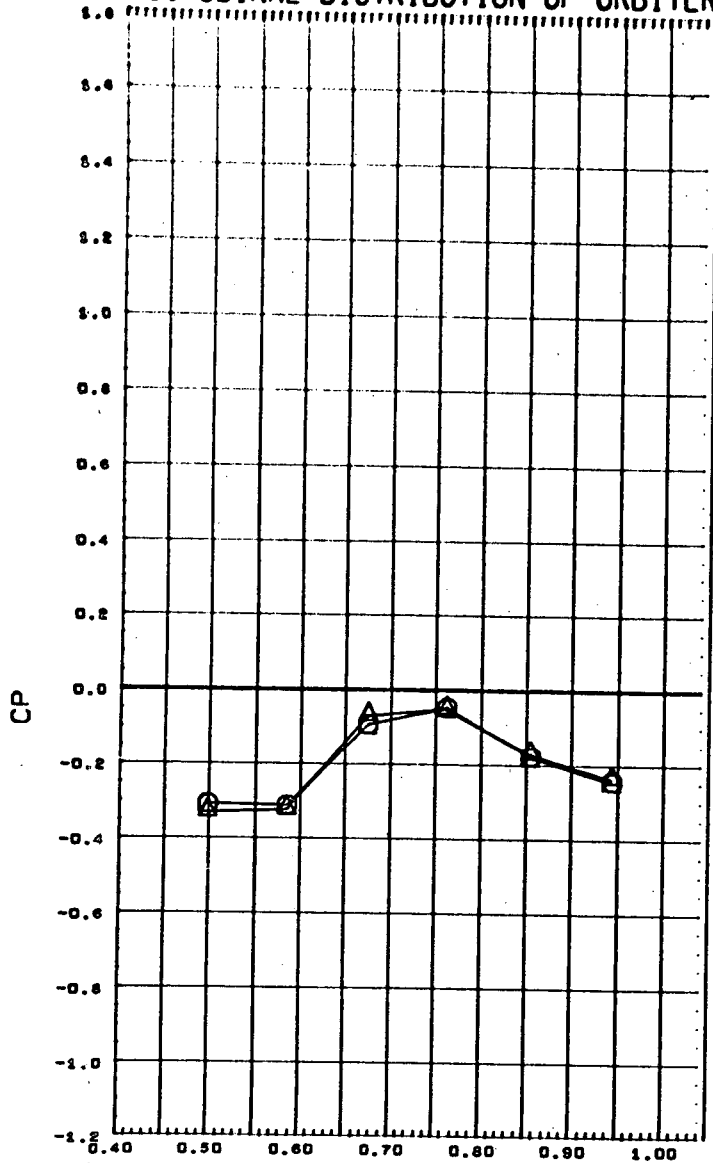


SYMBOL	BETA	Y/B	M1
○	6.178	0.230	1.099
△	4.110	0.399	
◇	2.033		
□	0.268		
▽	1.027		

REFERENCE FILE

	PARAMETRIC VALUES	
ALFB	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL \bigcirc \triangle
 BETA 3.902 5.993
 Y/B 0.230 0.399
 M1 1.099

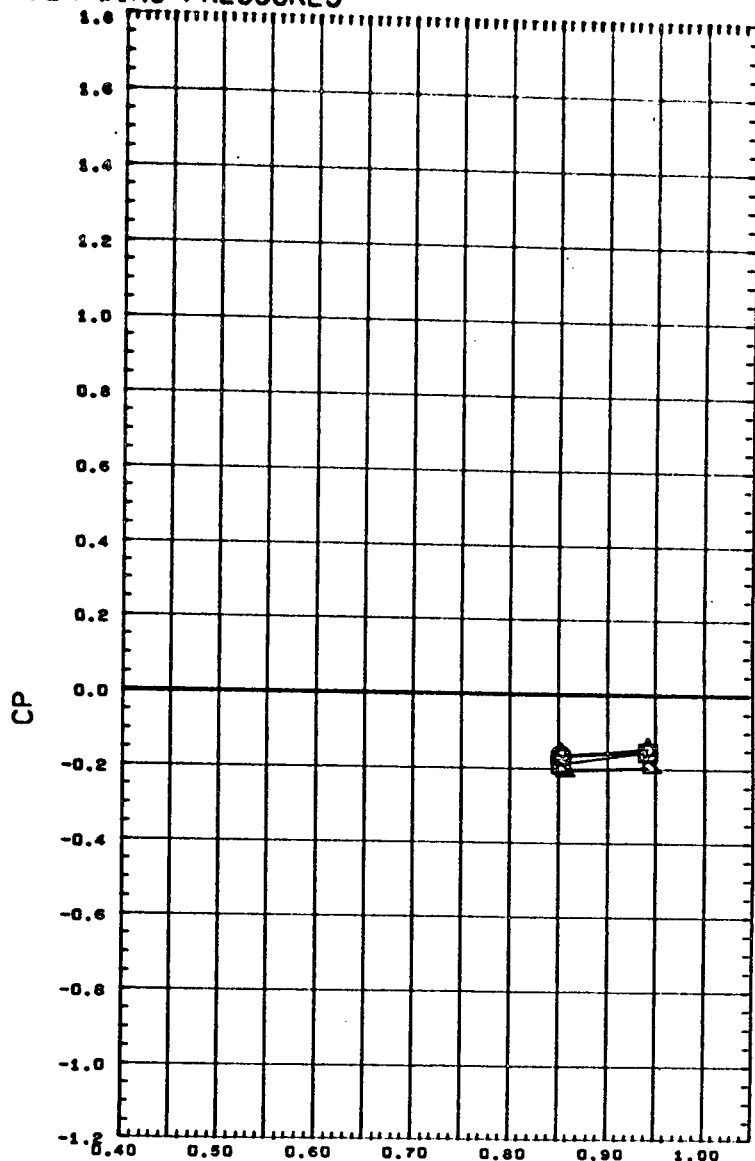
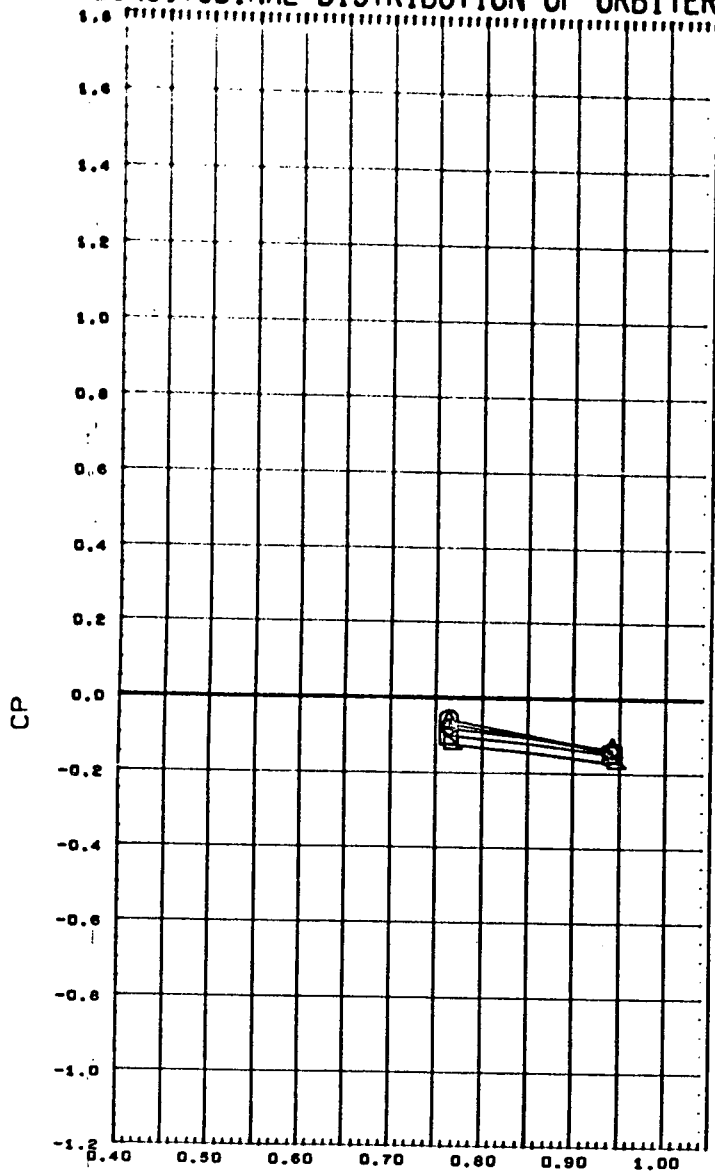
X/L
 PARAMETRIC VALUES
 ALFB 0.000
 I 0.000
 DX/L 0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

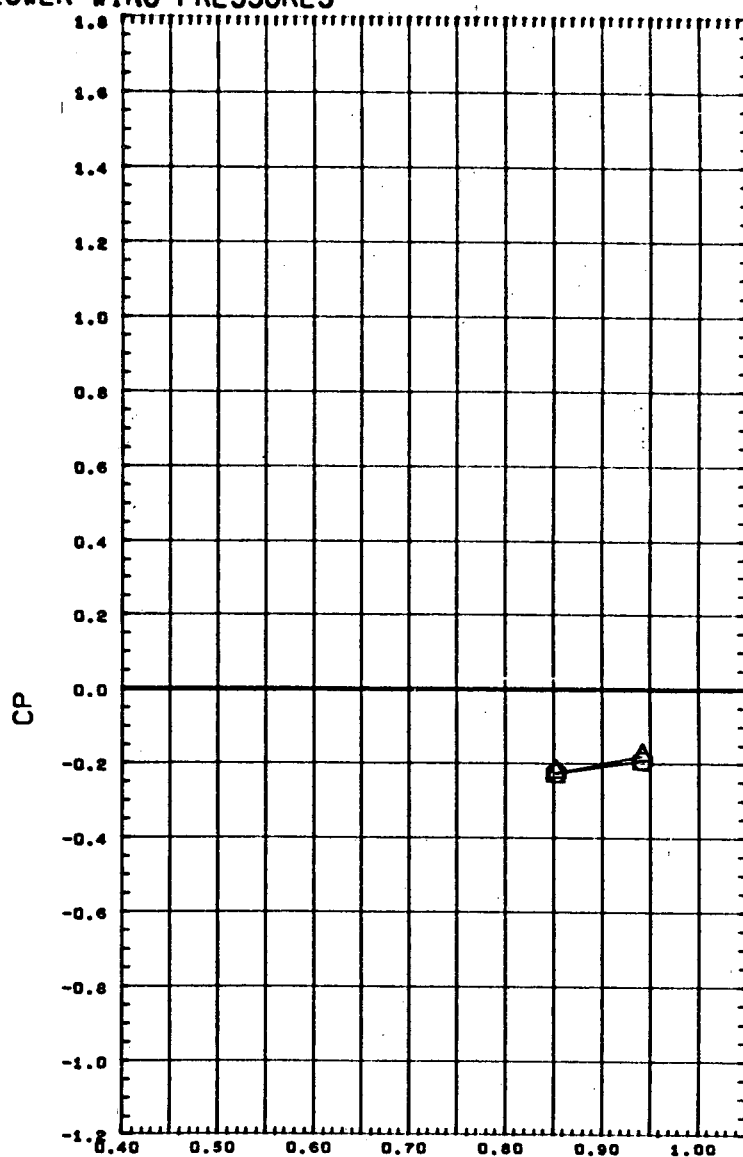
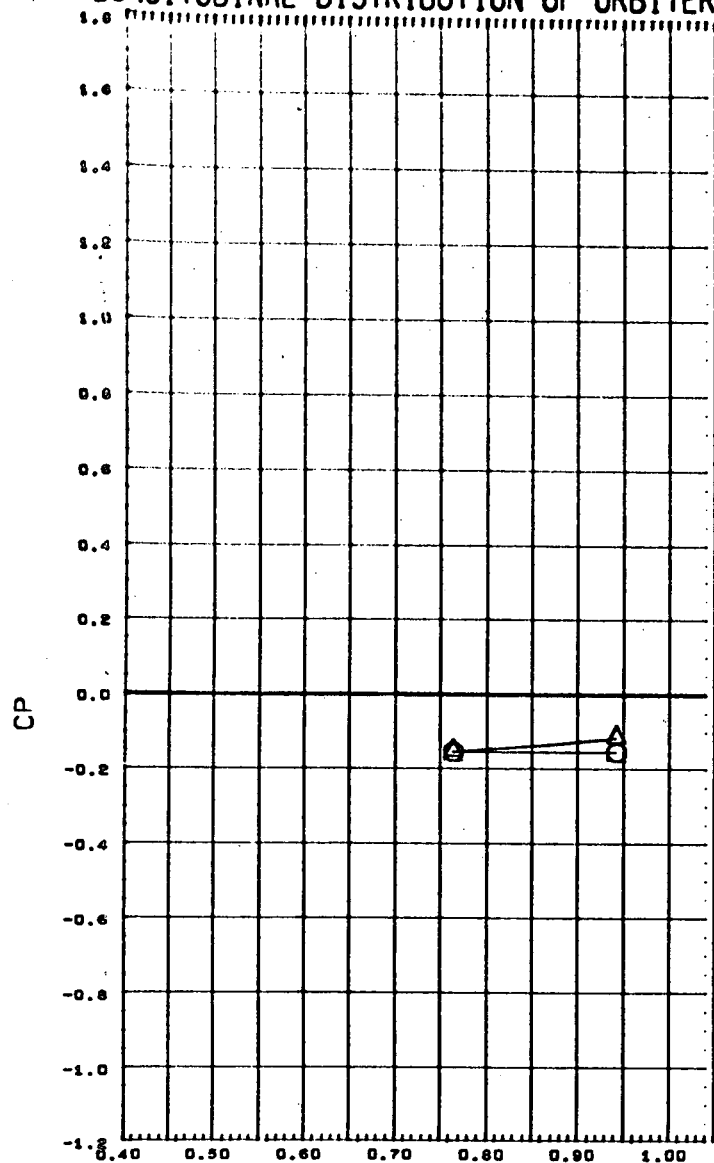


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.178	0.568	1.099
△	- 4.110	0.738	
◇	- 2.033		
◻	- 0.268		
◼	1.827		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	5.902	0.568	1.099
△	5.993	0.738	

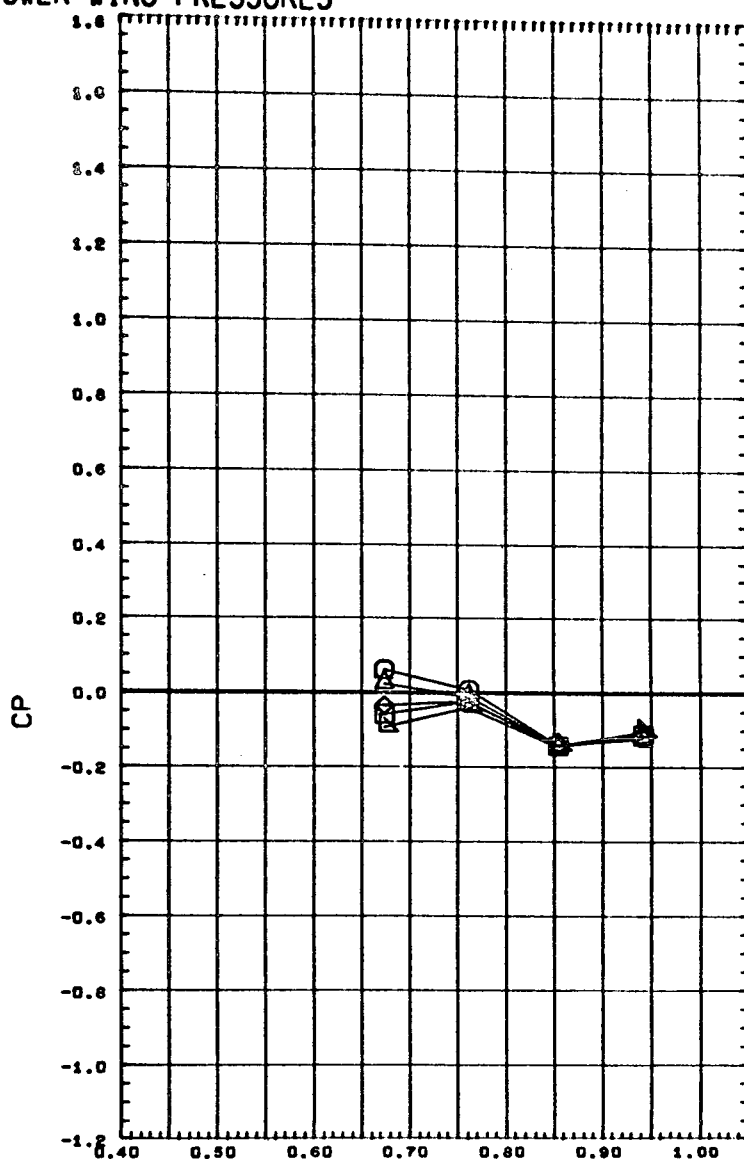
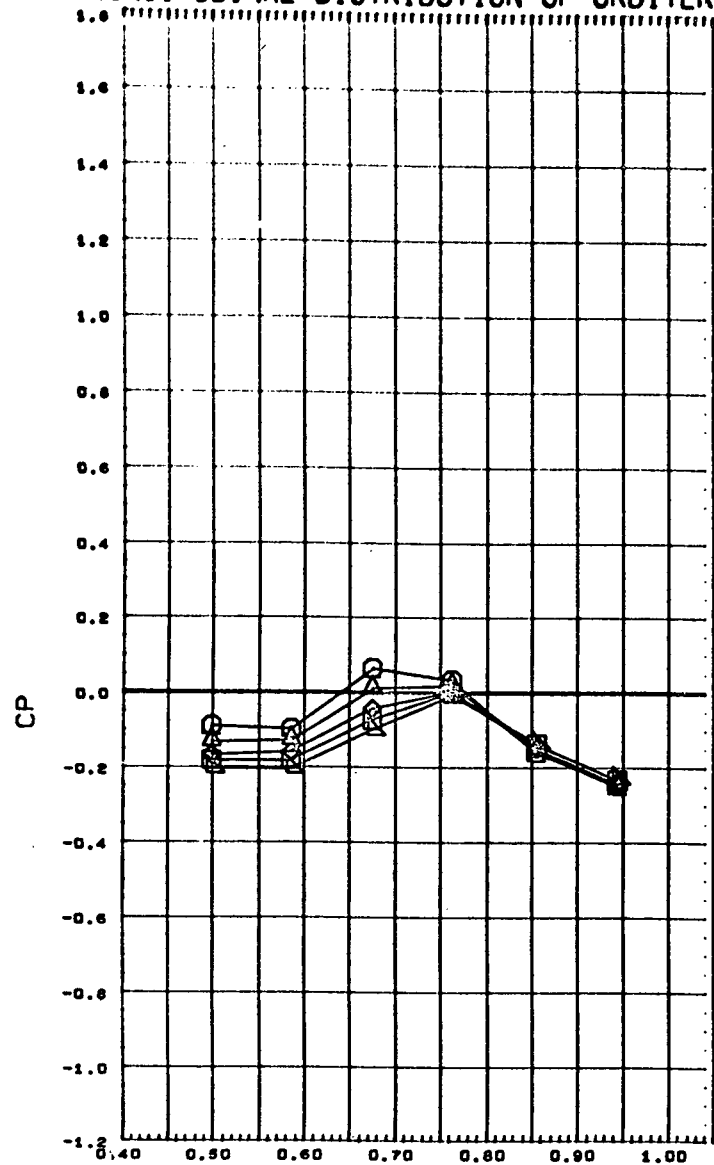
PARAMETRIC VALUES		
ALPB	0.000	DX/L
I	0.000	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

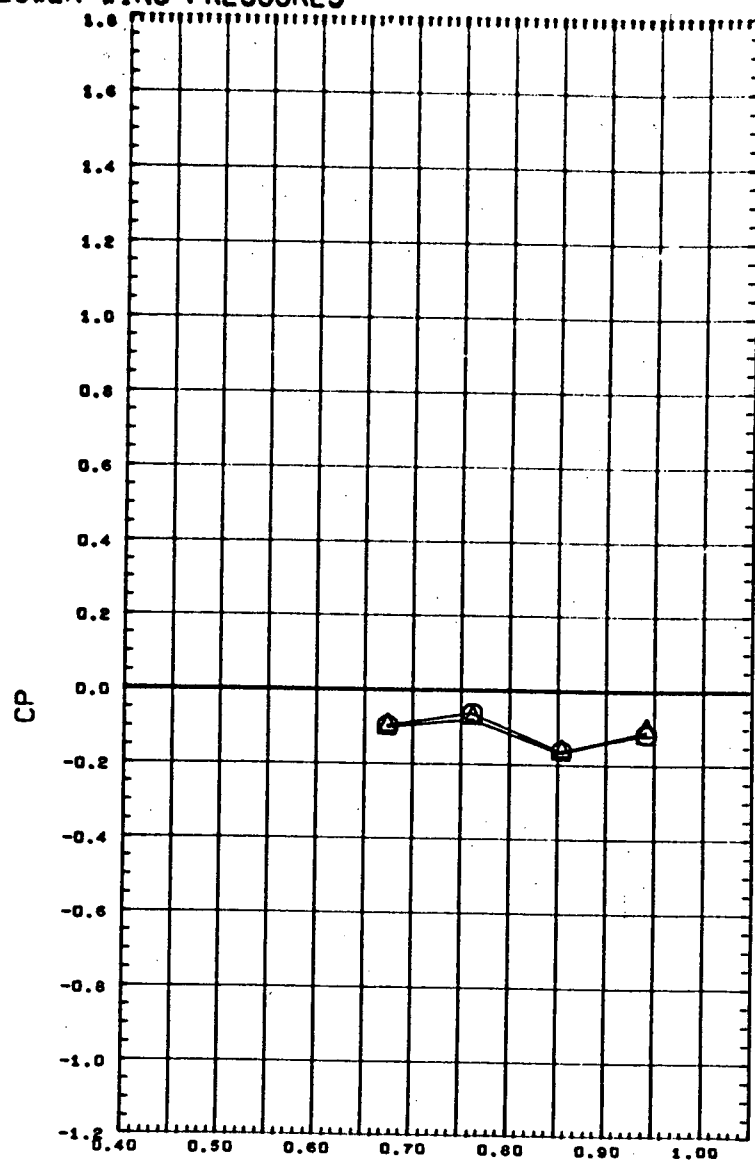
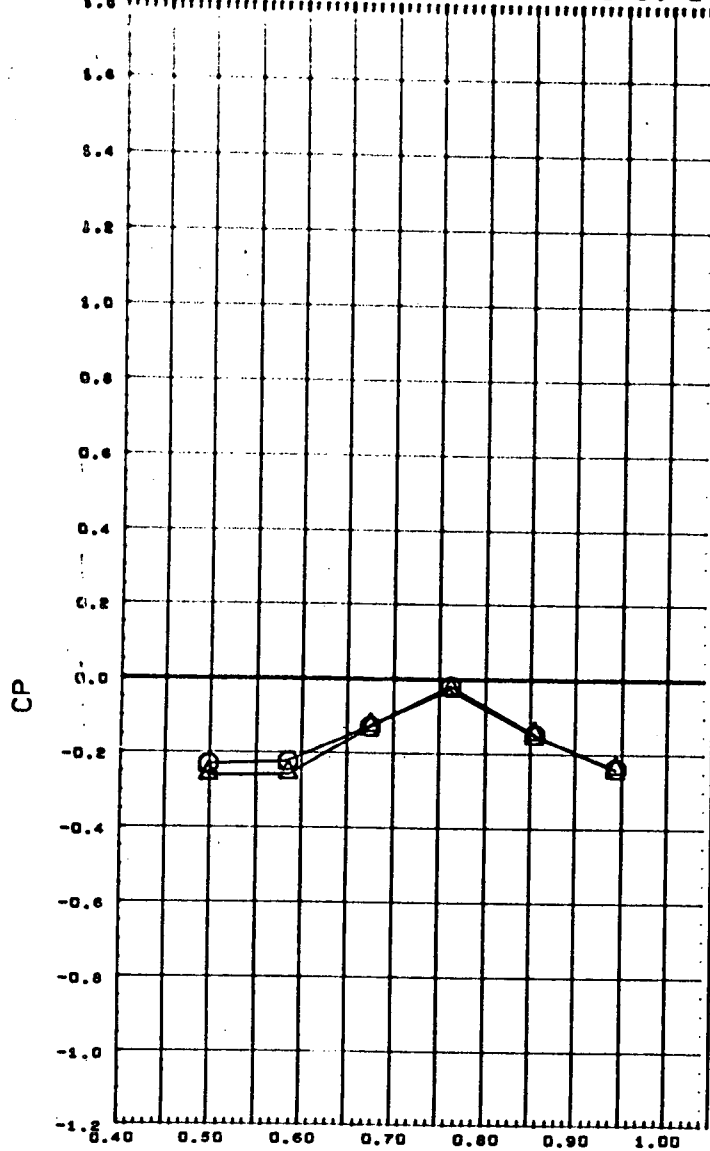


SYMBOL	BETA	Y/B	M1
○	6.194	0.230	1.201
△	4.117	0.399	
◇	1.825		
□	0.517		
▽	1.830		

REFERENCE FILE

	ALFB	PARAMETRIC VALUES	OX/L	0.036
I	0.000			
	0.000			

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

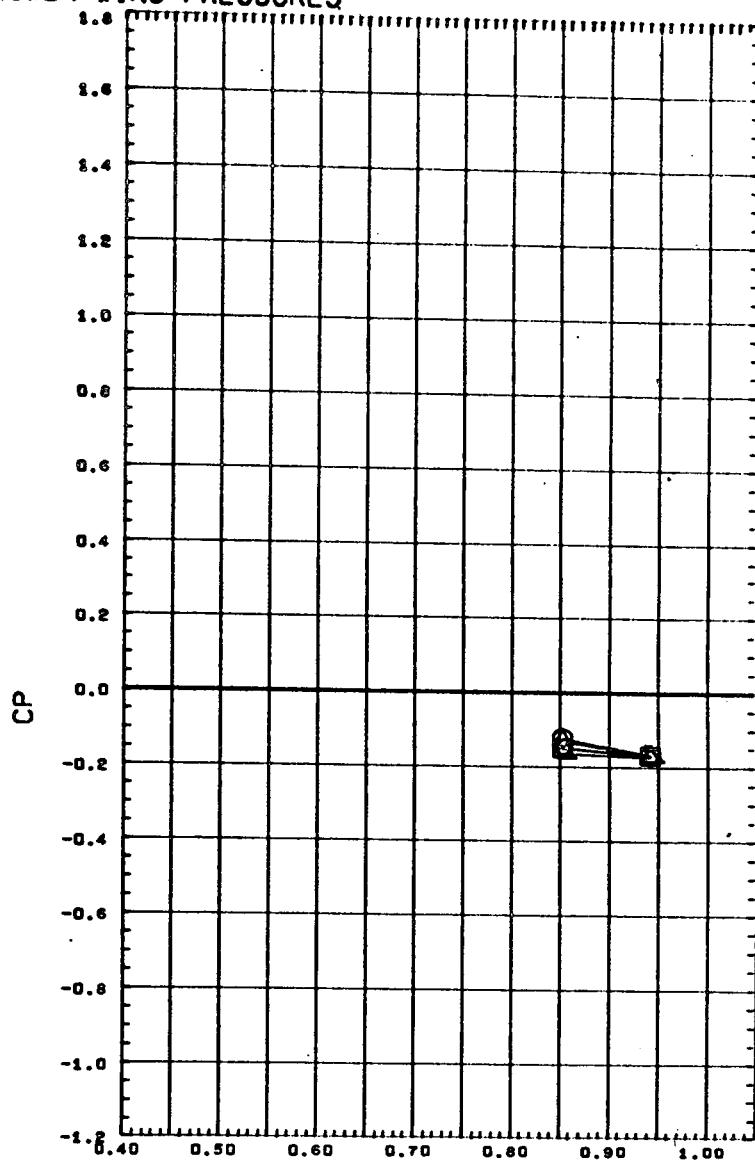
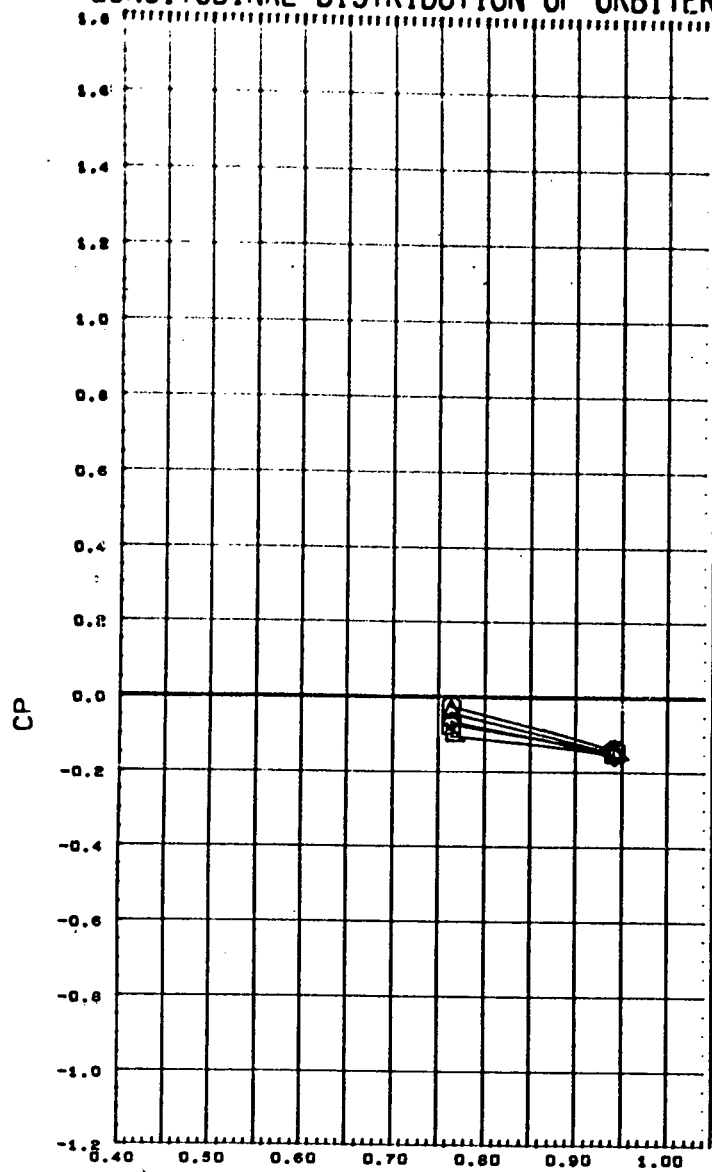


SYMBOL Δ BETA 3.904 Y/B 0.230 M1 1.201
 5.997 0.399

X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

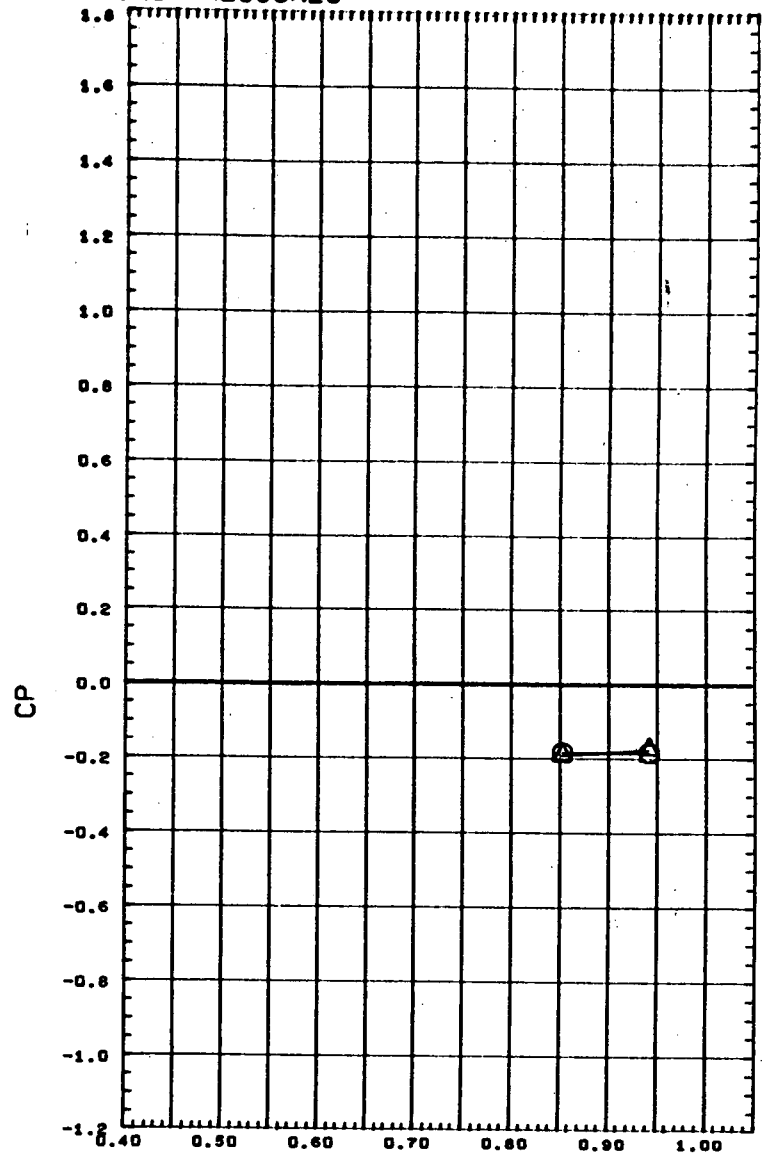
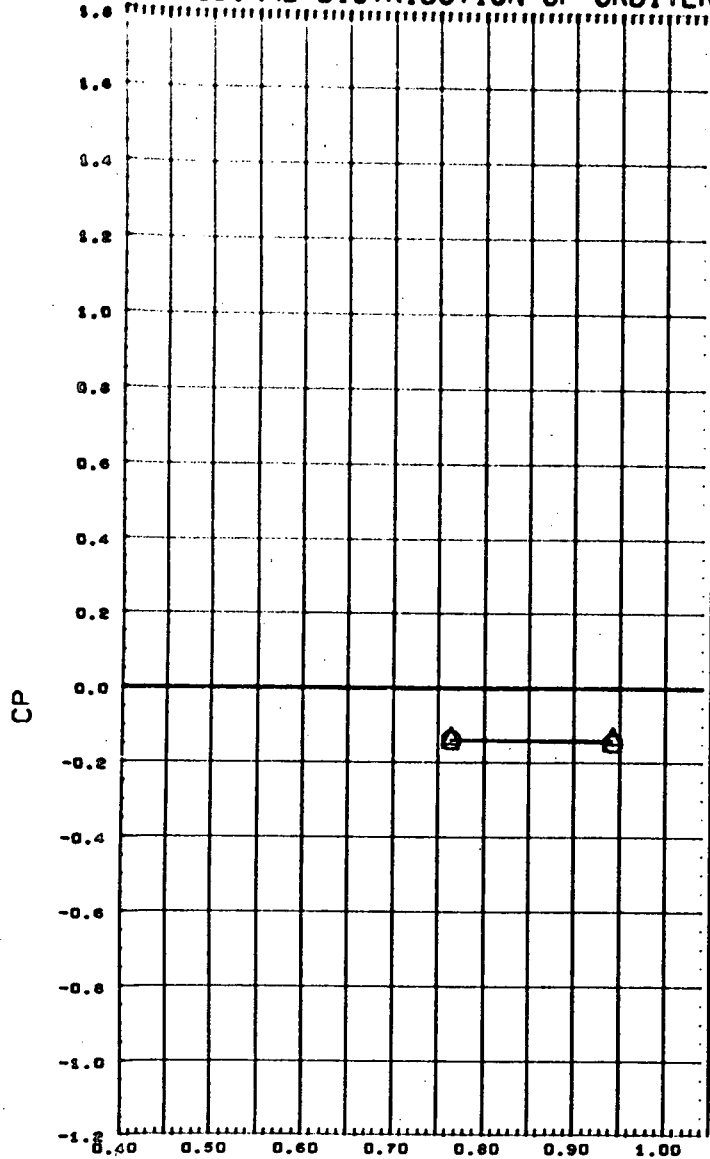


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.194	0.568	1.201
△	- 4.117	0.738	
◇	- 1.825		
□	- 0.517		
	1.830		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALPB	0.000	OX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



	X/L		
SYMBOL	BETA	Y/B	M1
○	5.904	0.568	1.201
△	5.997	0.738	

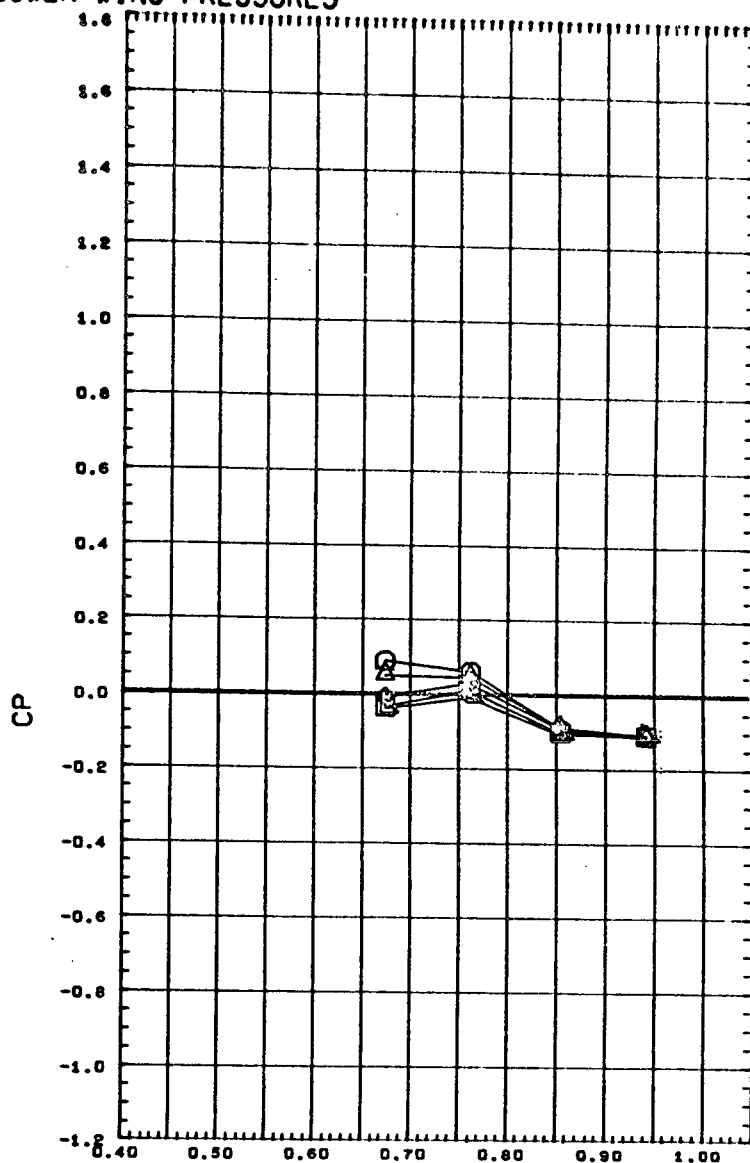
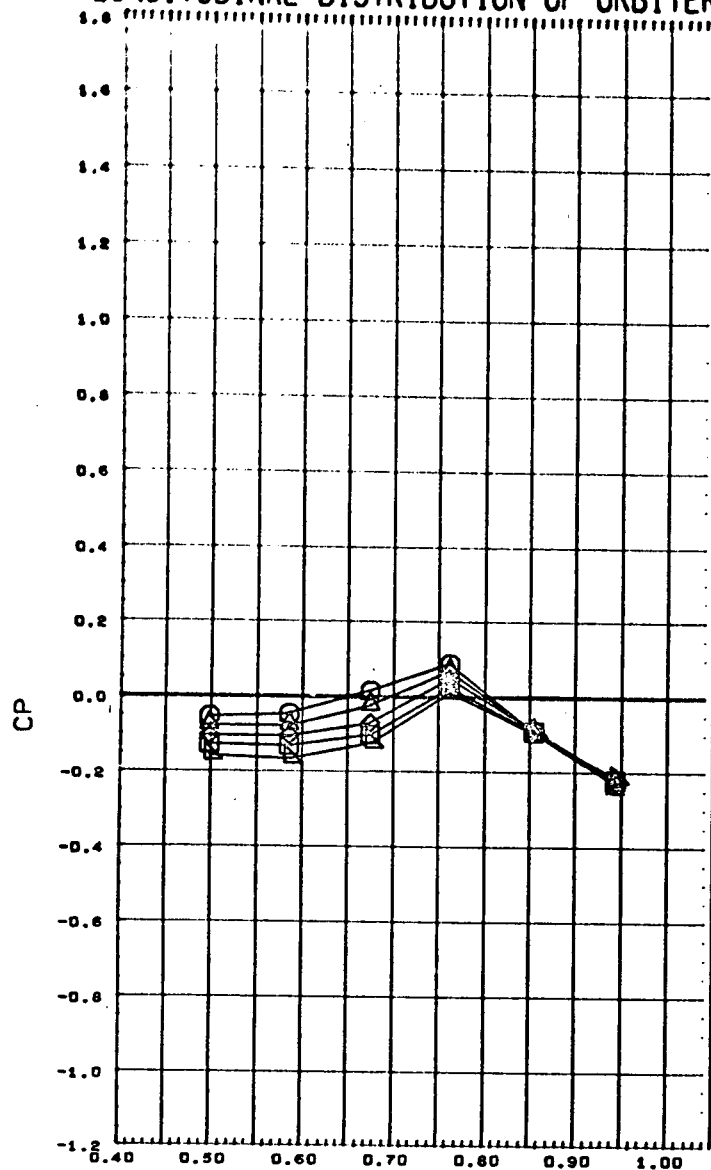
	X/L		
	PARAMETRIC VALUES		
ALFB	0.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

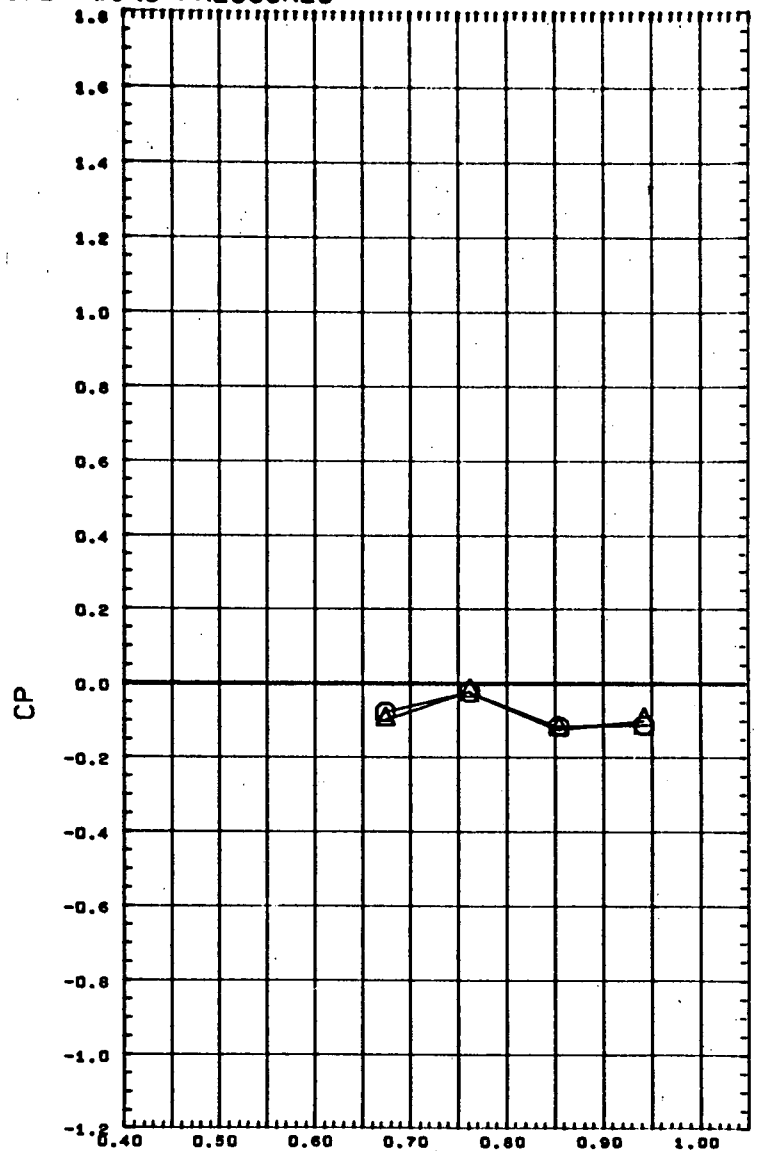
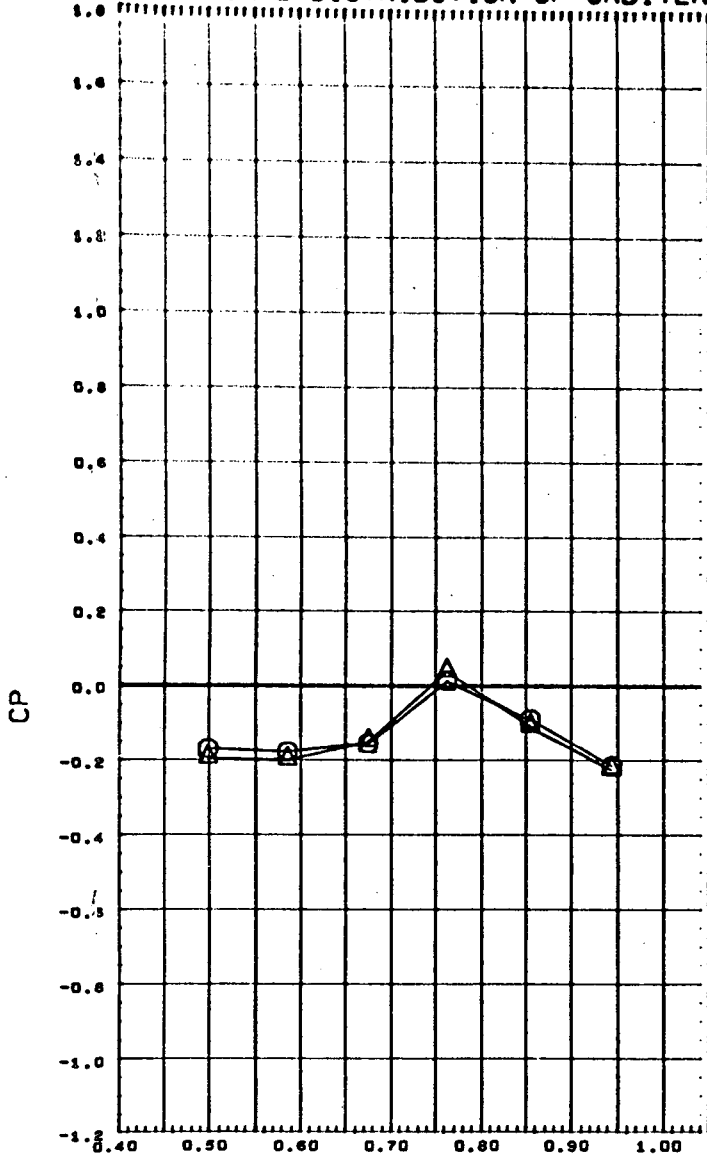


SYMBOL	BETA	Y/B	M1
○	- 6.217	0.230	1.299
△	- 4.137	0.399	
◇	- 2.051		
□	- 0.270		
×	1.816		

REFERENCE FILE

PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



		X/L	
SYMBOL	BETA	Y/B	M1
○	3.882	0.230	1.299
△	5.980	0.399	

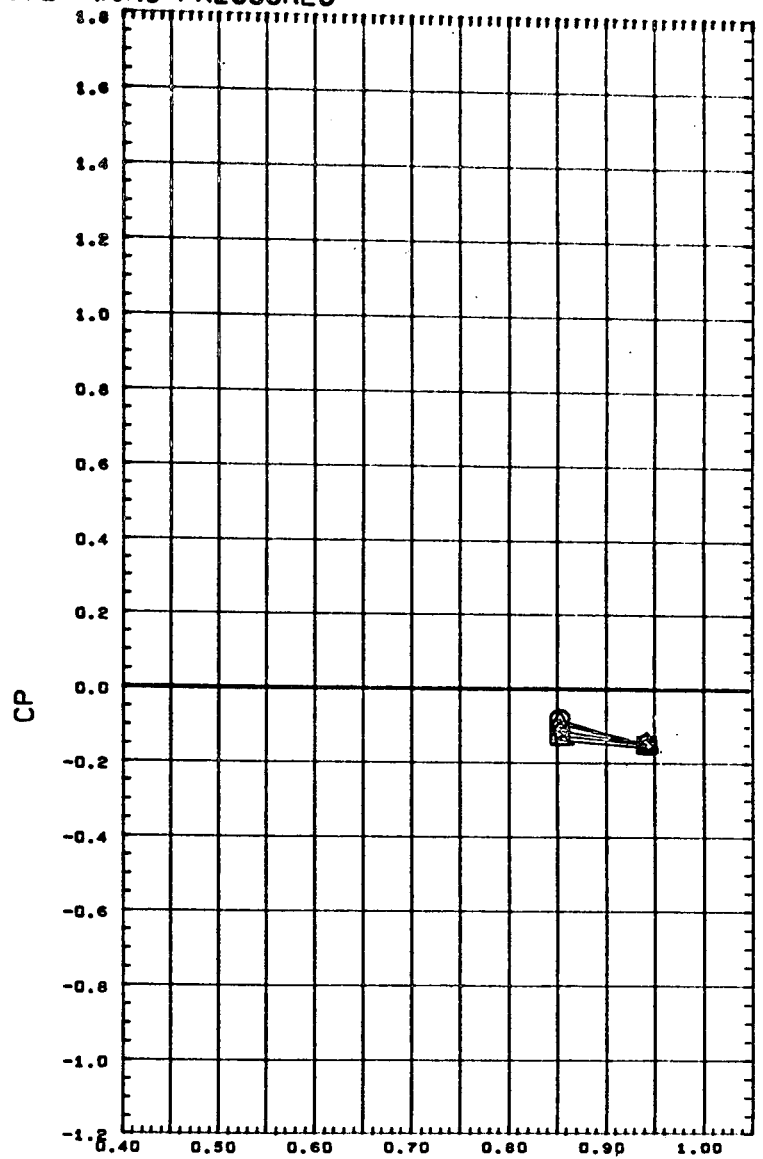
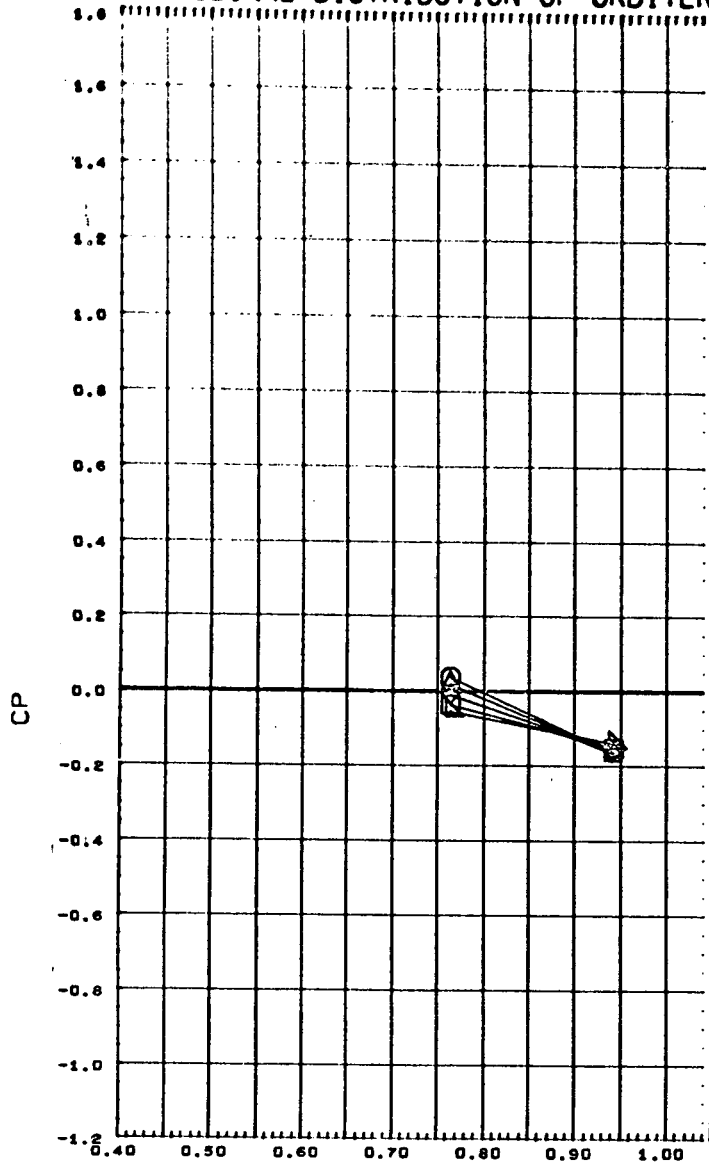
		X/L	
		PARAMETRIC VALUES	
ALFB	0.000	OX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

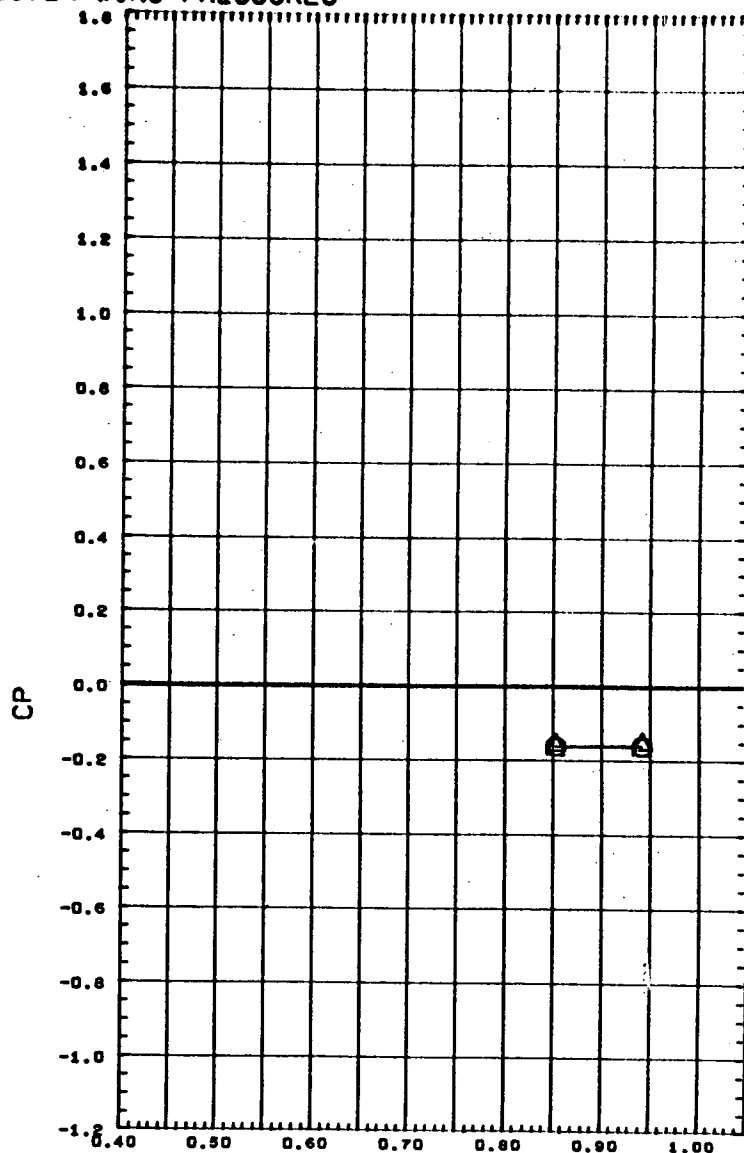
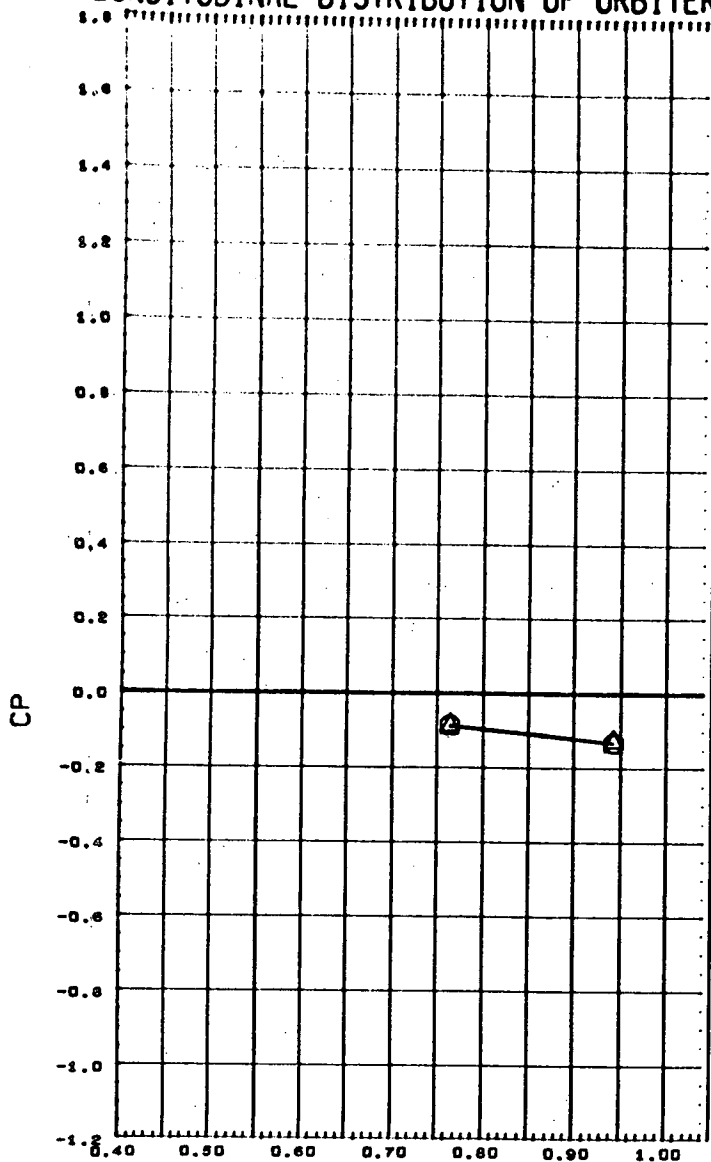


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.217	0.568	1.299
△	- 4.137	0.738	
◇	- 2.051		
□	- 0.270		
	1.816		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL BETA Y/B M1
 O 3.882 0.568 1.299
 Δ 5.980 0.738

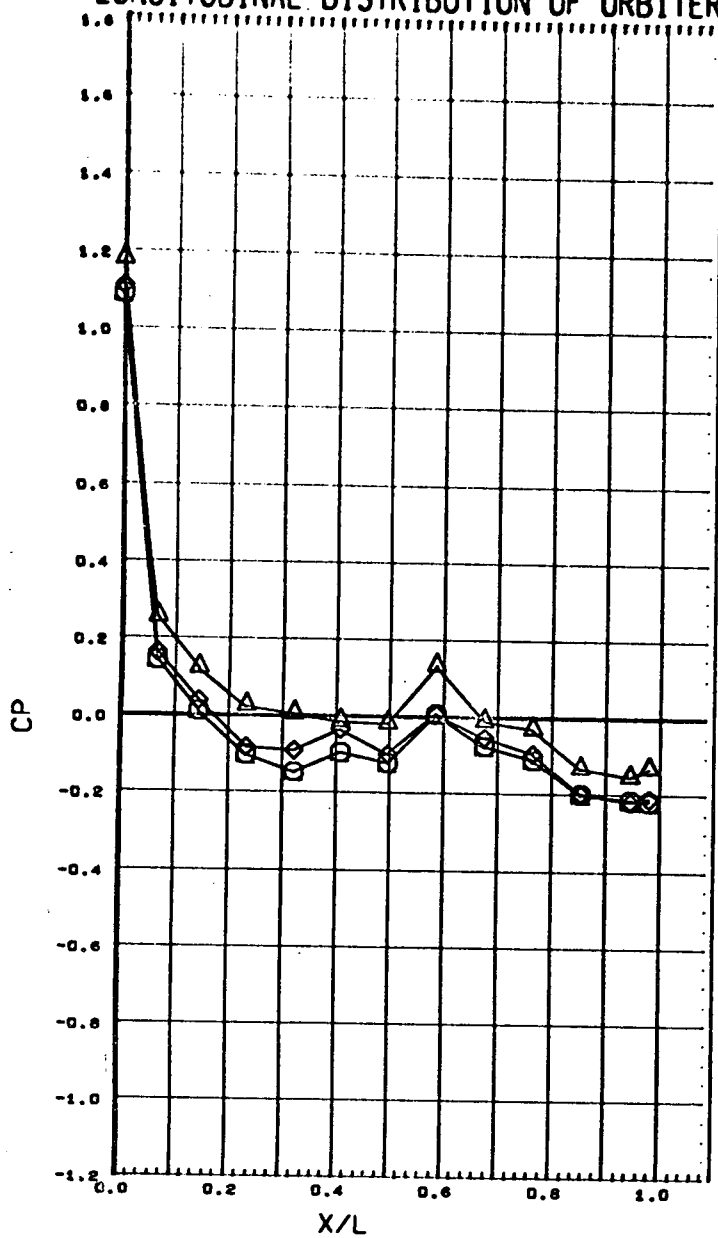
X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

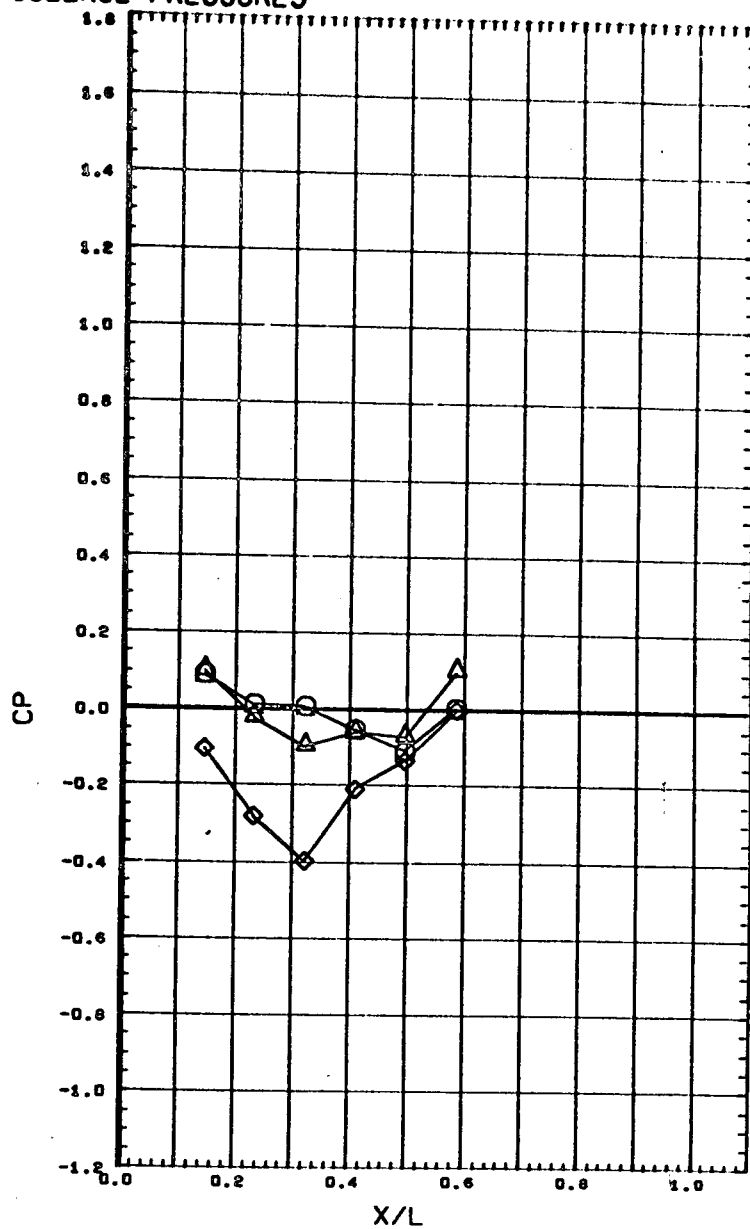
AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC006)

PAGE 189

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



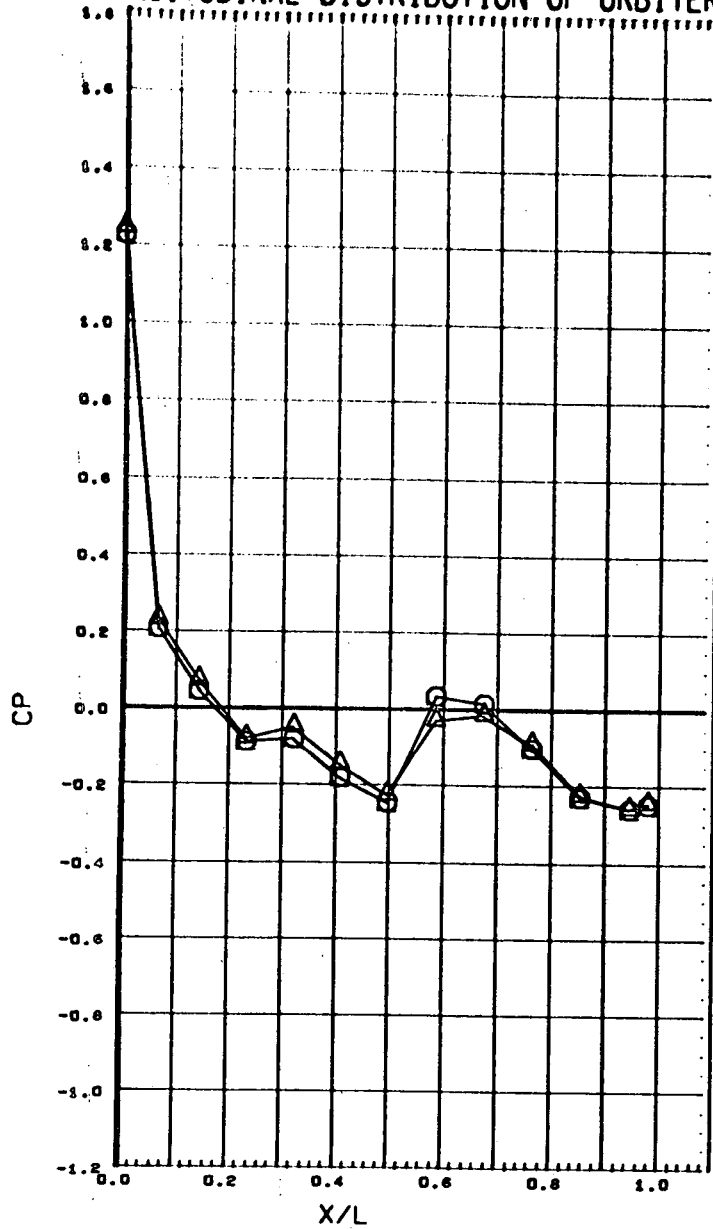
SYMBOL	BETA	Y/B	M1
○	4.097	0.000	0.599
△	0.032	0.076	
◇	4.299		



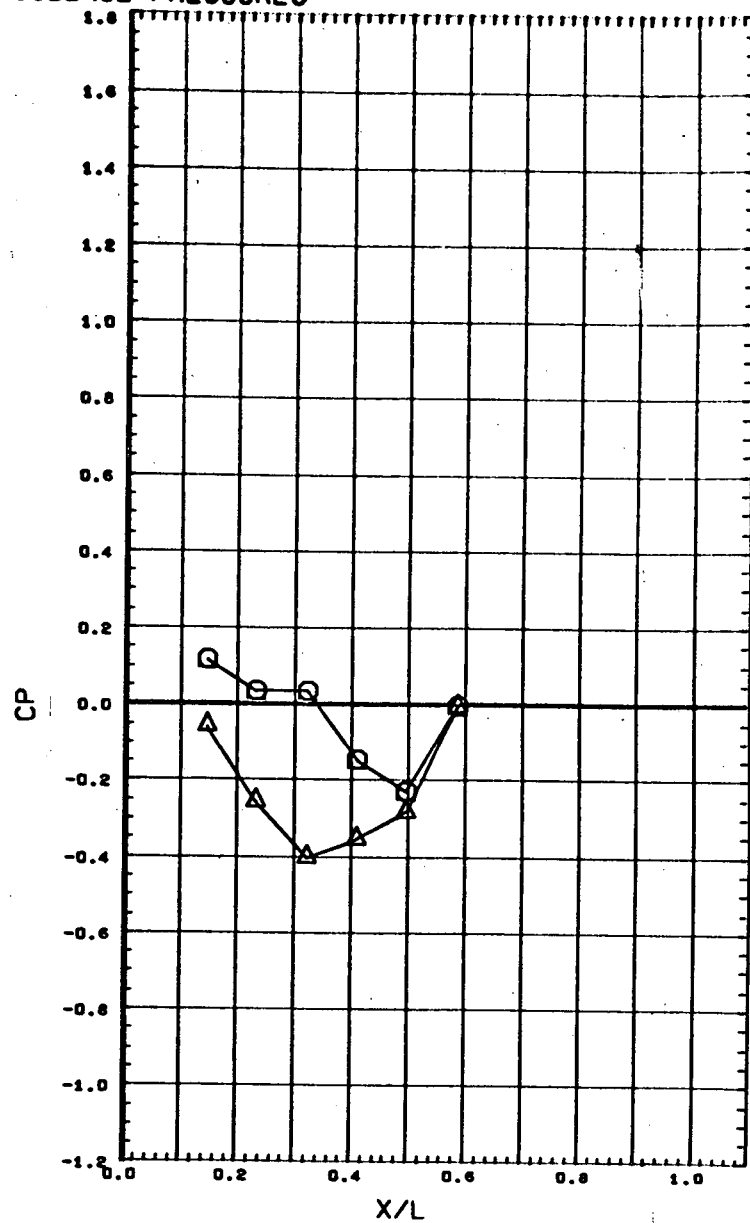
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.138	0.000	0.901
△	4.250	0.076	



	PARAMETRIC VALUES	
ALFB	6.000	DX/L 0.036
I	0.000	

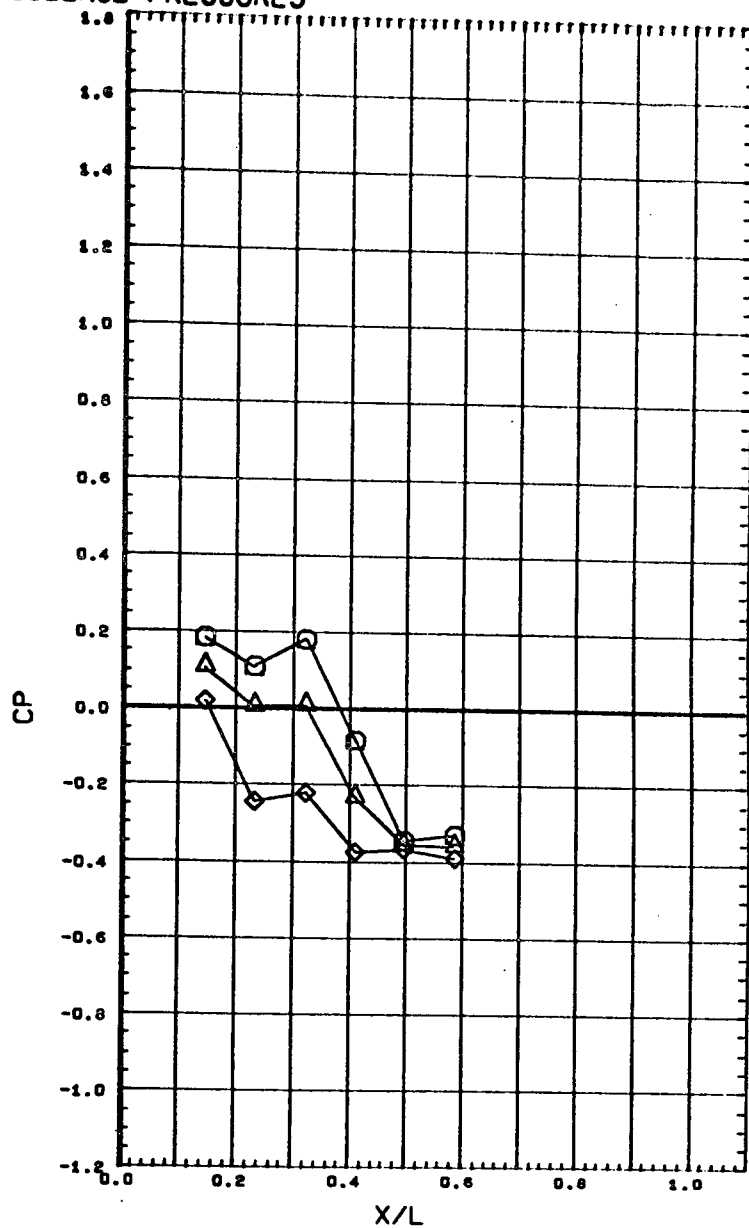
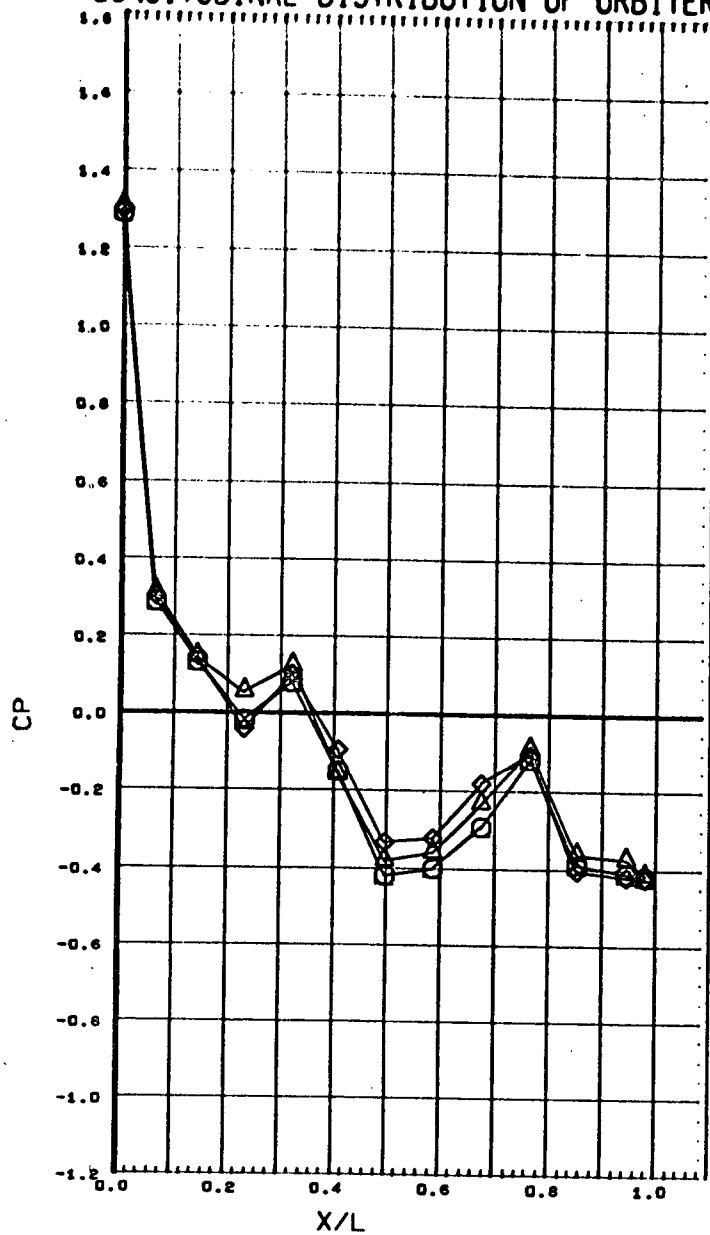
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.168	0.000	0.995
△	0.062	0.076	
◇	4.315		

PARAMETRIC VALUES		
ALF8	6.000	DX/L
I	0.000	0.036

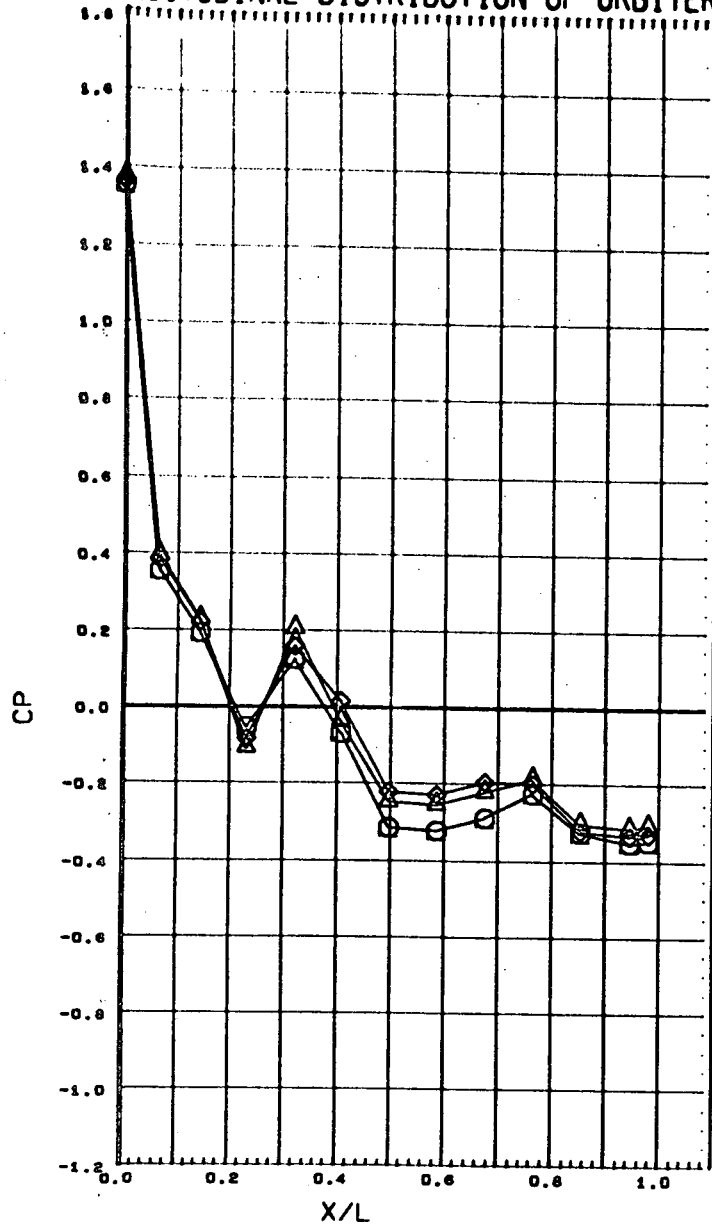
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

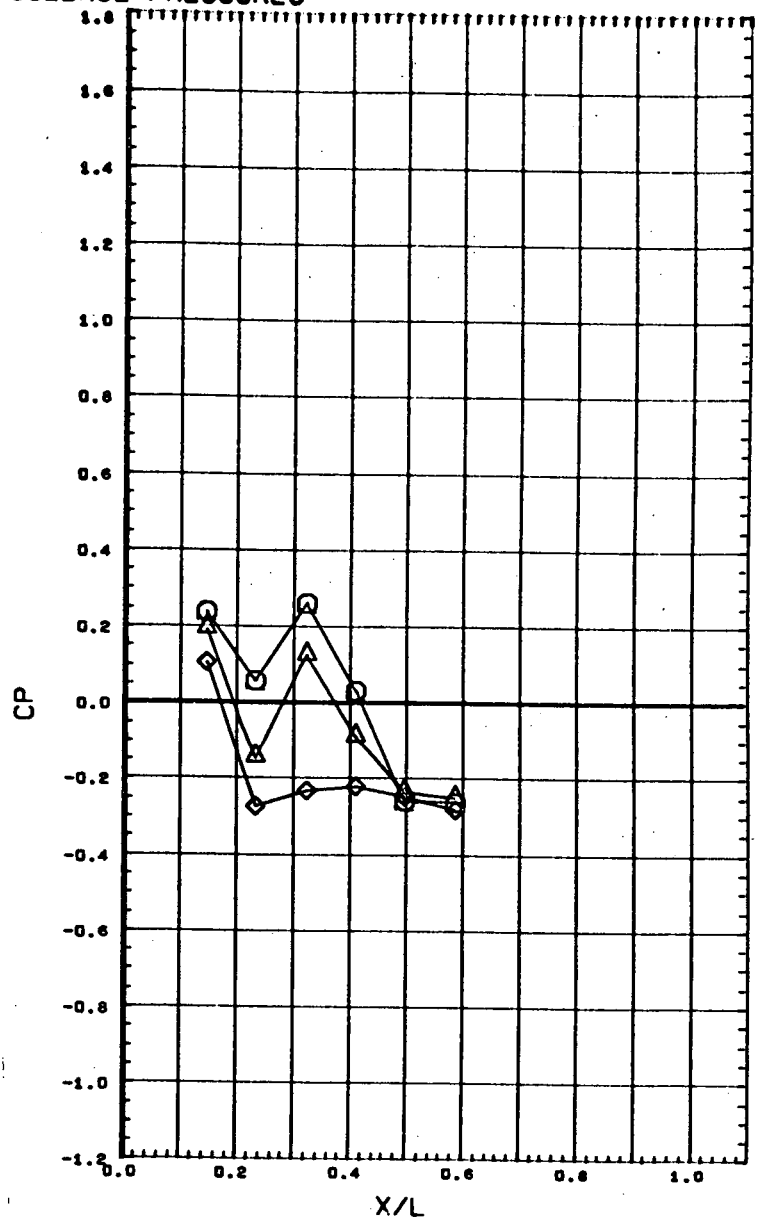
(FTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.195	0.000	1.100
△	0.061	0.076	
◇	4.344		



PARAMETRIC VALUES		
ALFB	6.000	0.036
I	0.000	

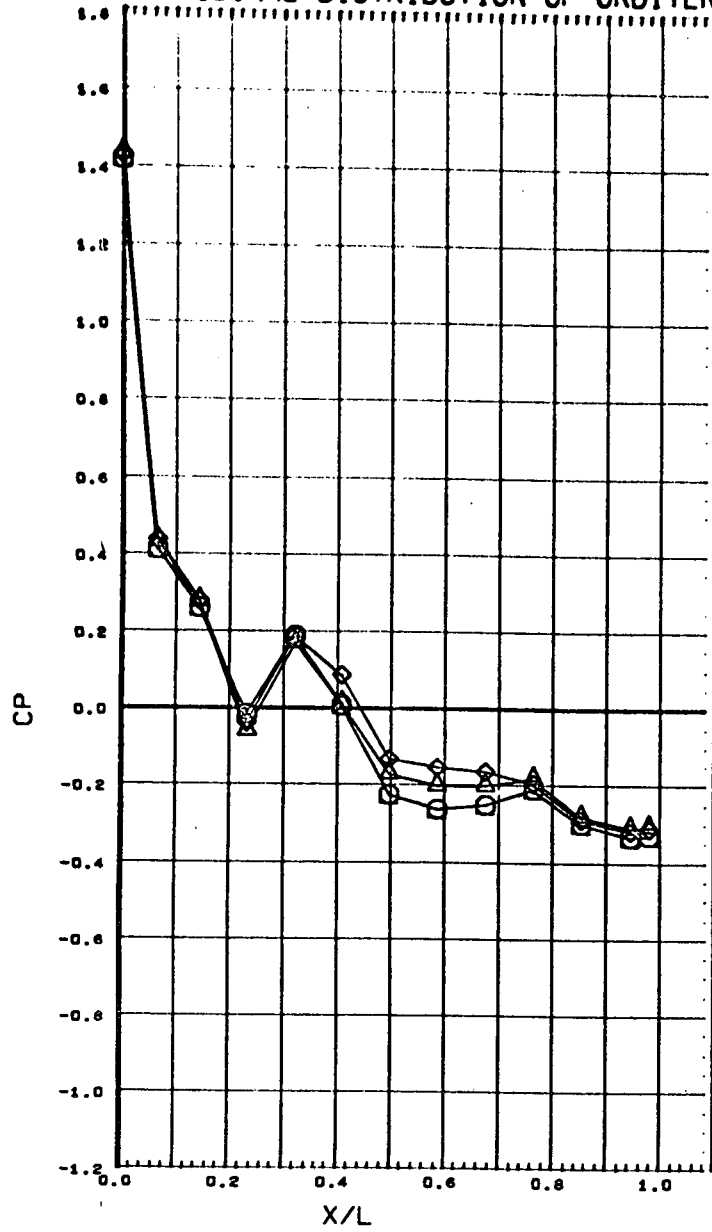
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

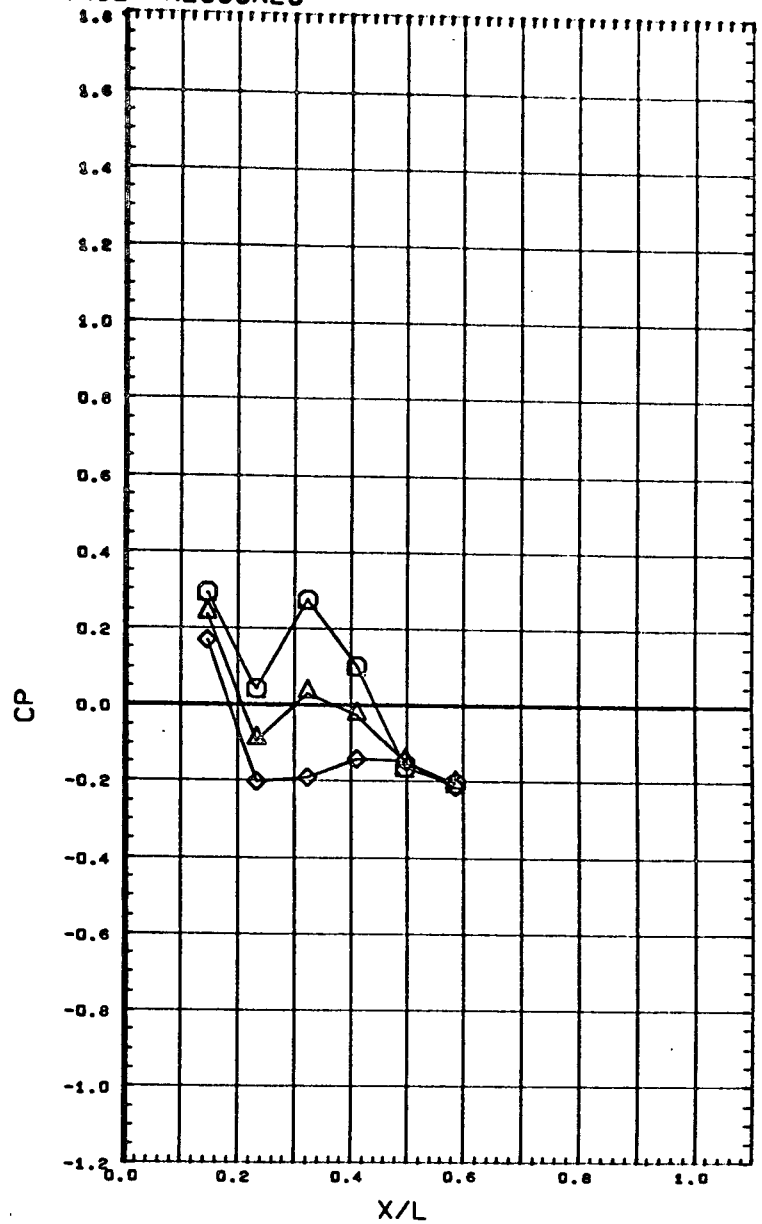
(FTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



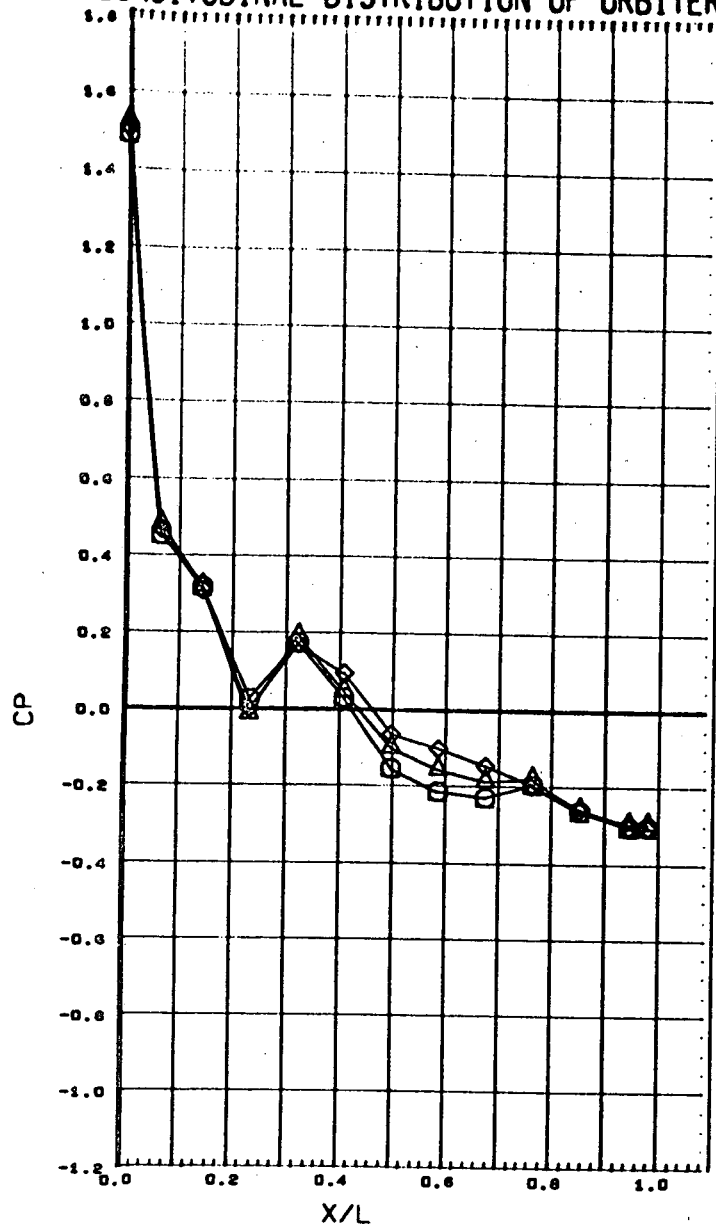
SYMBOL	BETA	Y/B	M1
○	4.213	0.000	1.199
△	0.048	0.076	
◇	4.359		



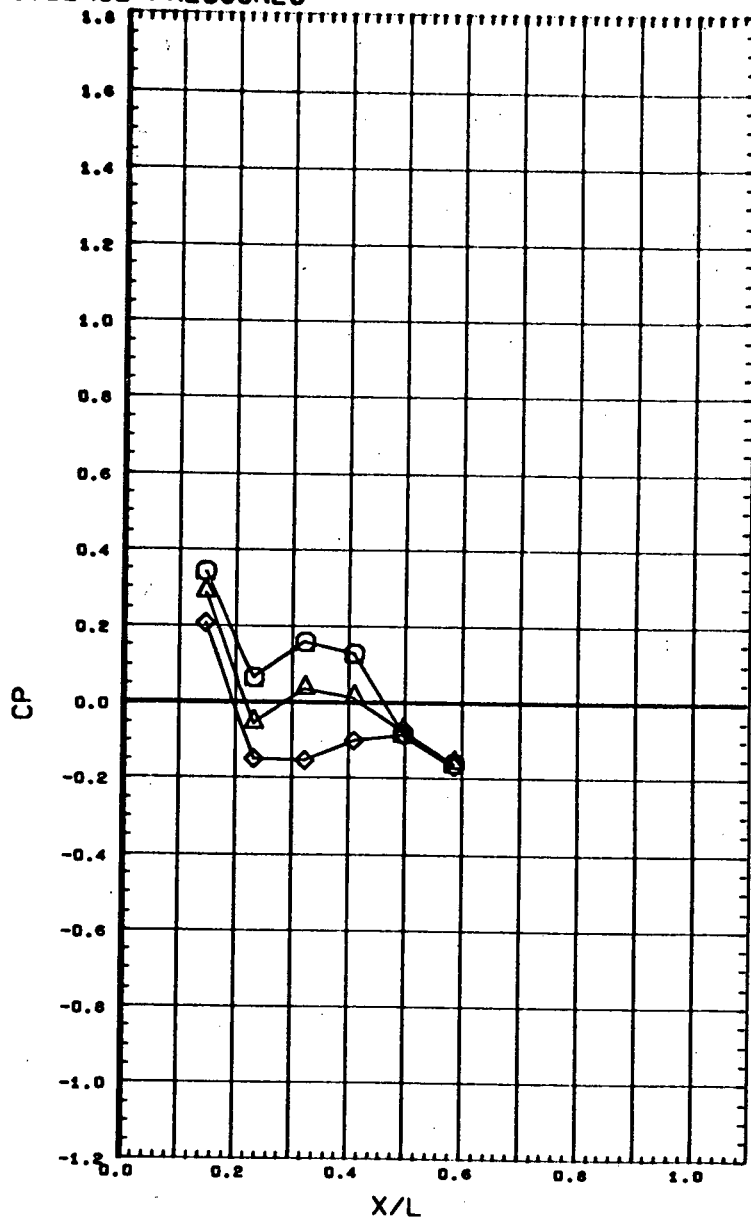
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.204	0.000	1.297
△	0.035	0.076	
◇	4.318		



PARAMETRIC VALUES		
ALFB	6.000	0.036
I	0.000	

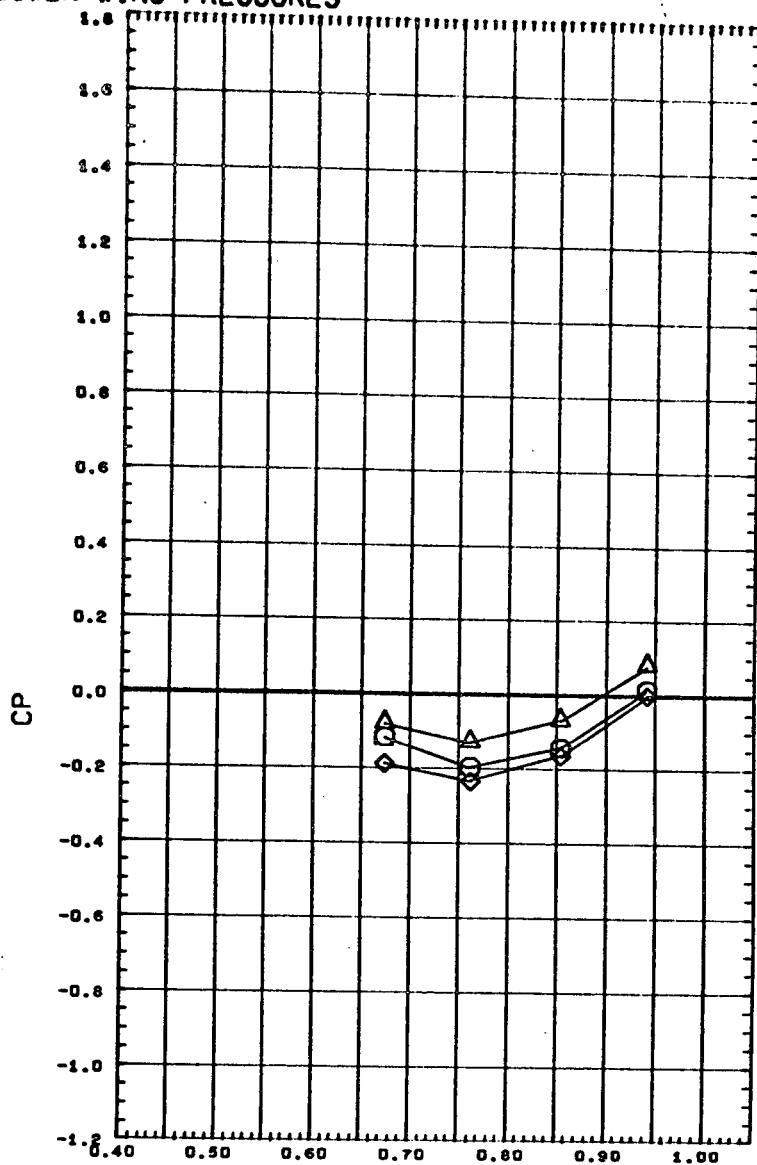
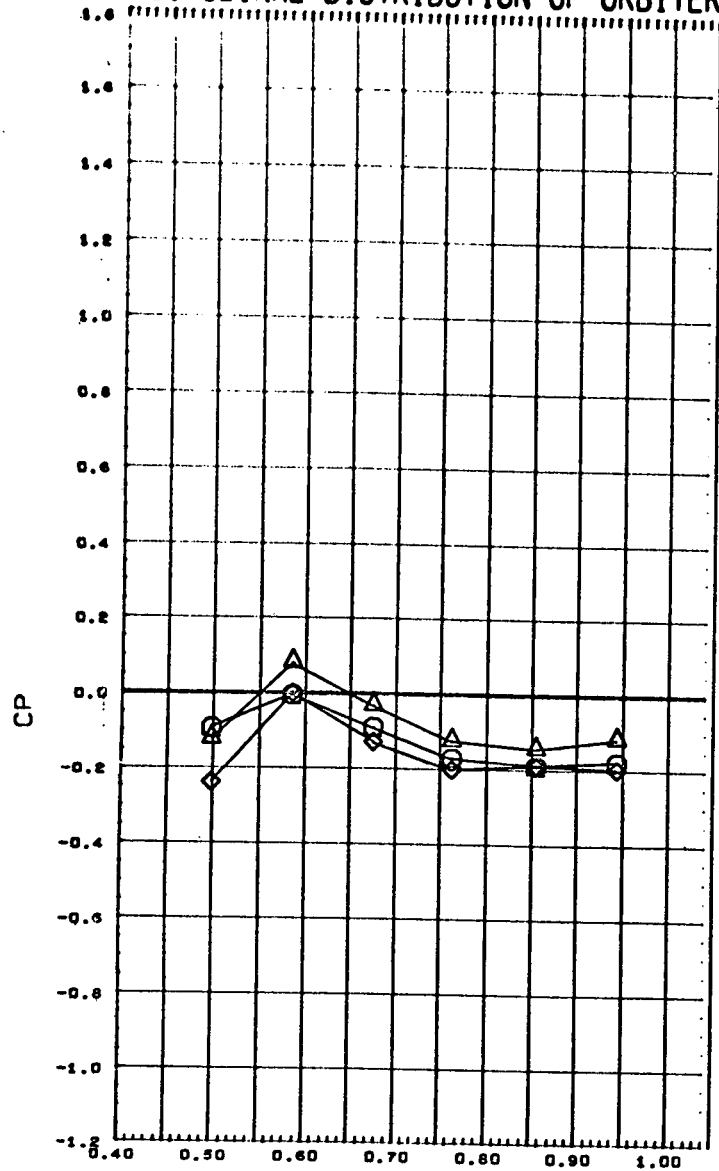
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.097	0.230	0.599
△	0.032	0.399	
◇	4.299		

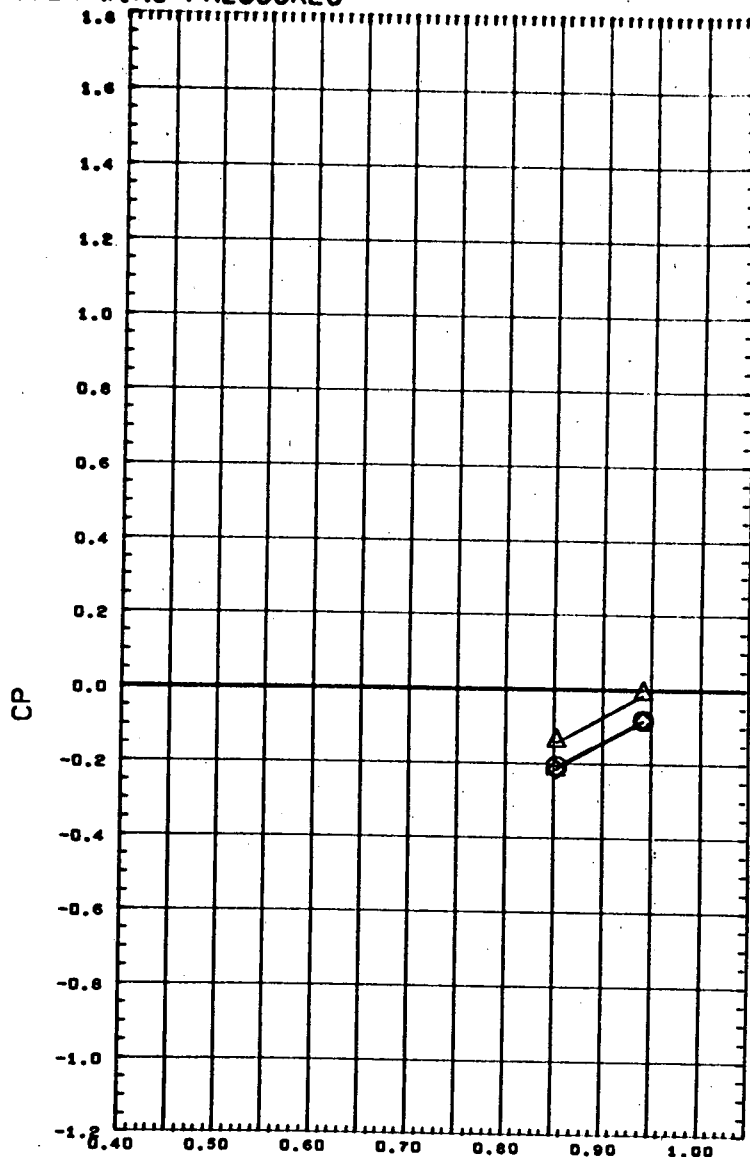
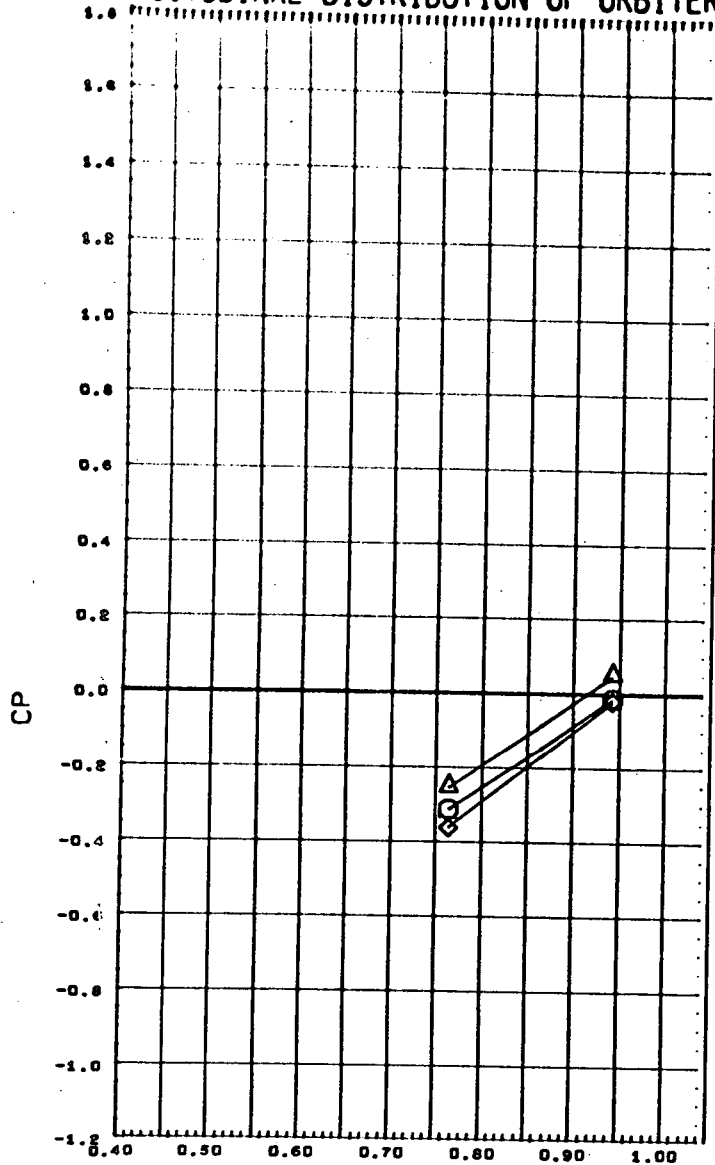
X/L			
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.097	0.568	0.599
△	0.032	0.738	
◇	4.299		

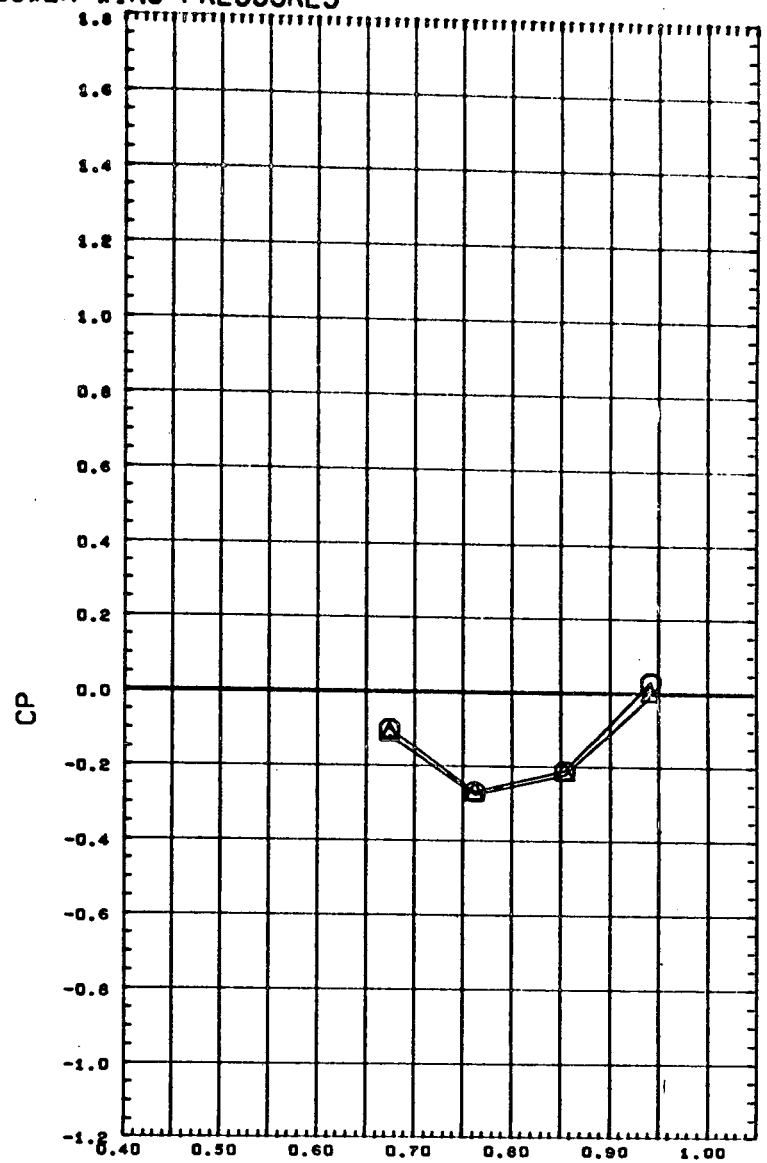
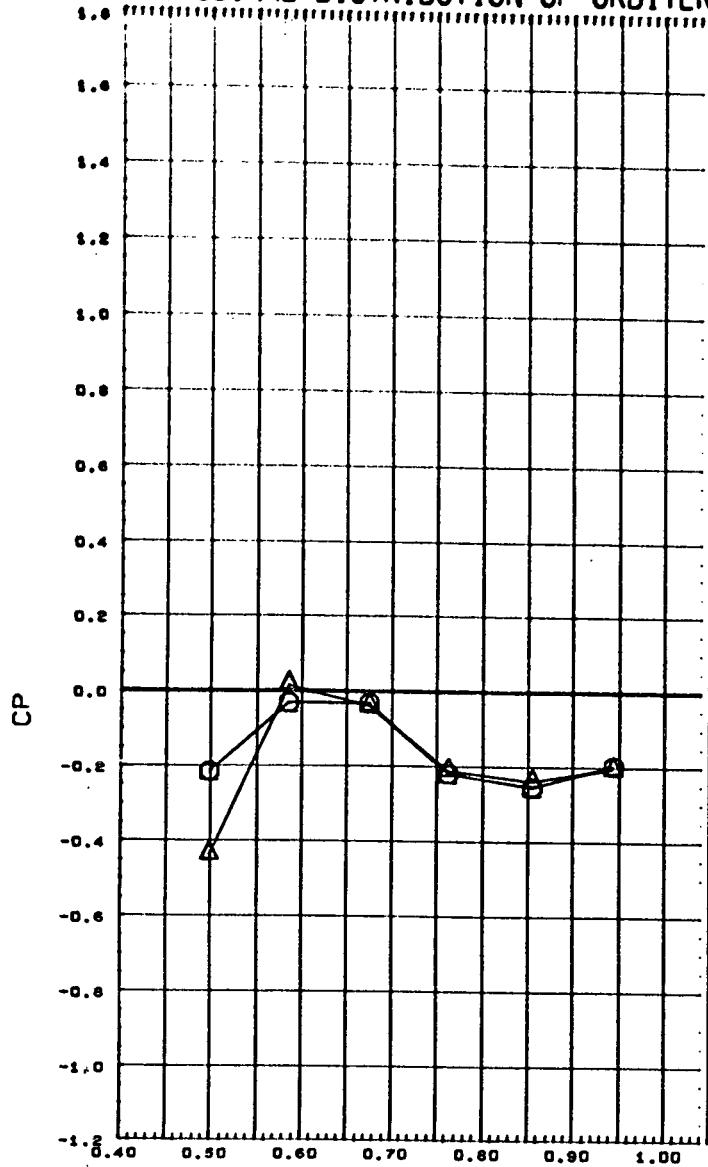
	PARAMETRIC VALUES	
ALFB	- 6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.138	0.230	0.901
△	4.250	0.399	

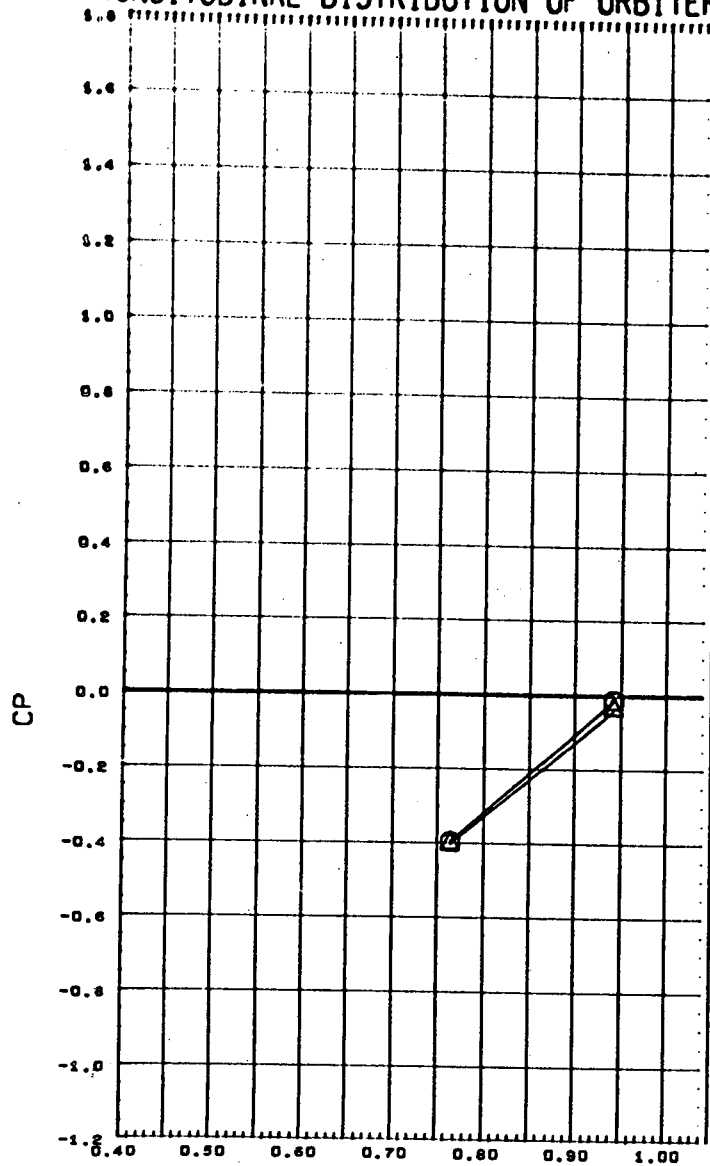
X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

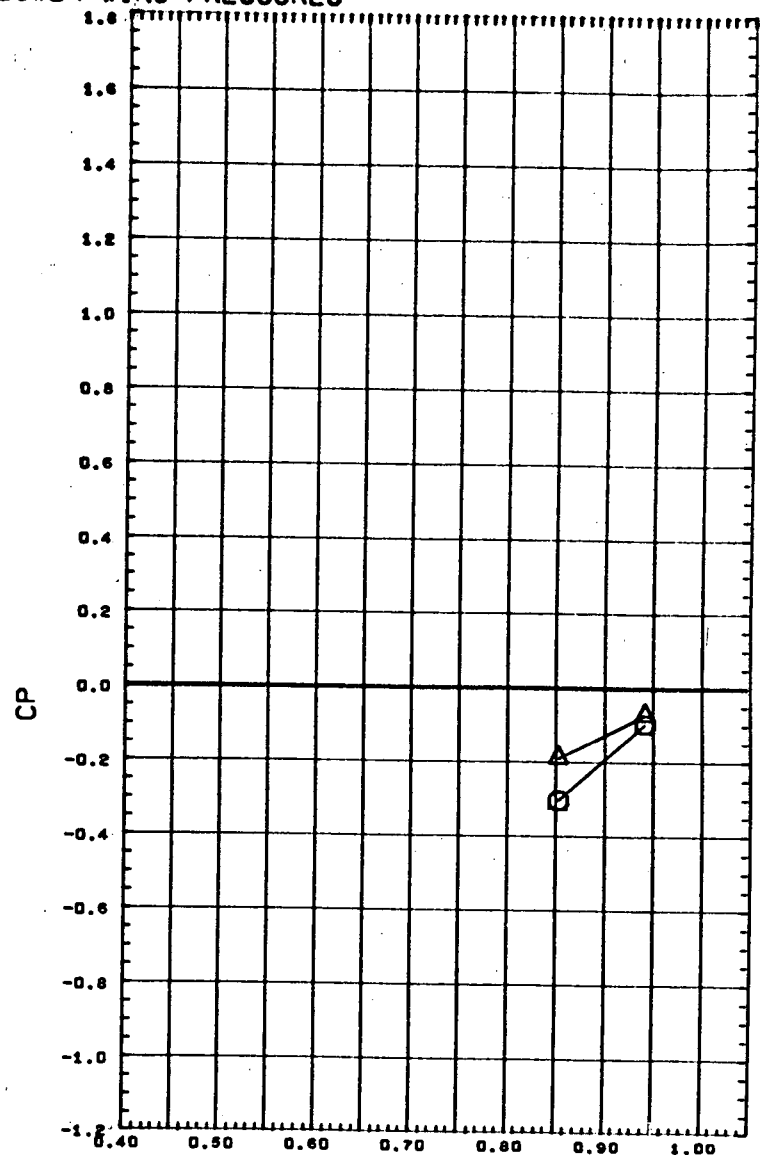
AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL BETA Y/B M1
 O - 4.138 0.568 0.901
 Δ - 4.250 0.738



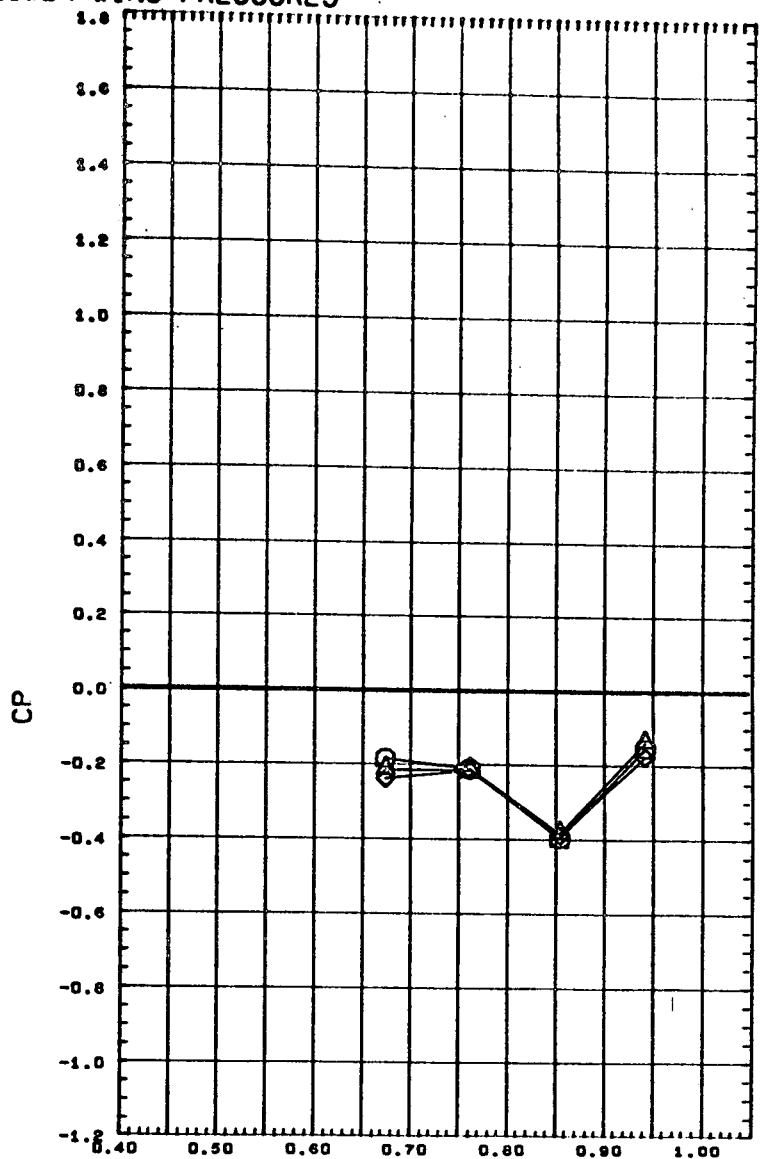
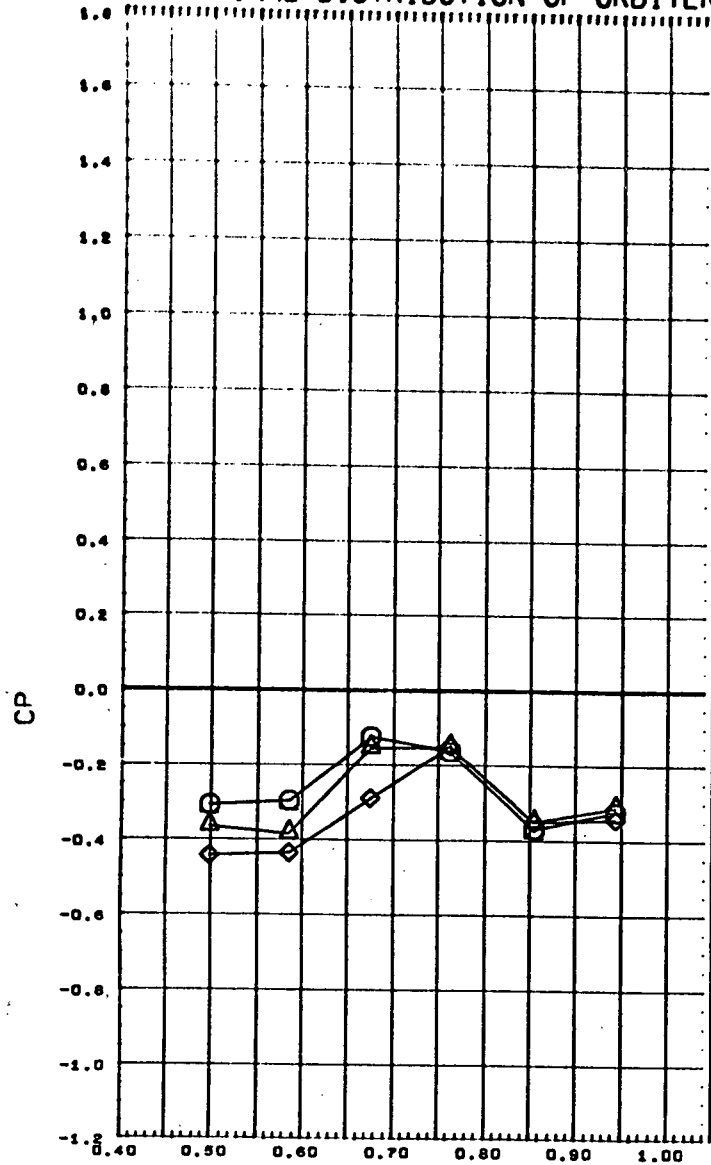
X/L
 PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.036
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

PAGE 199

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

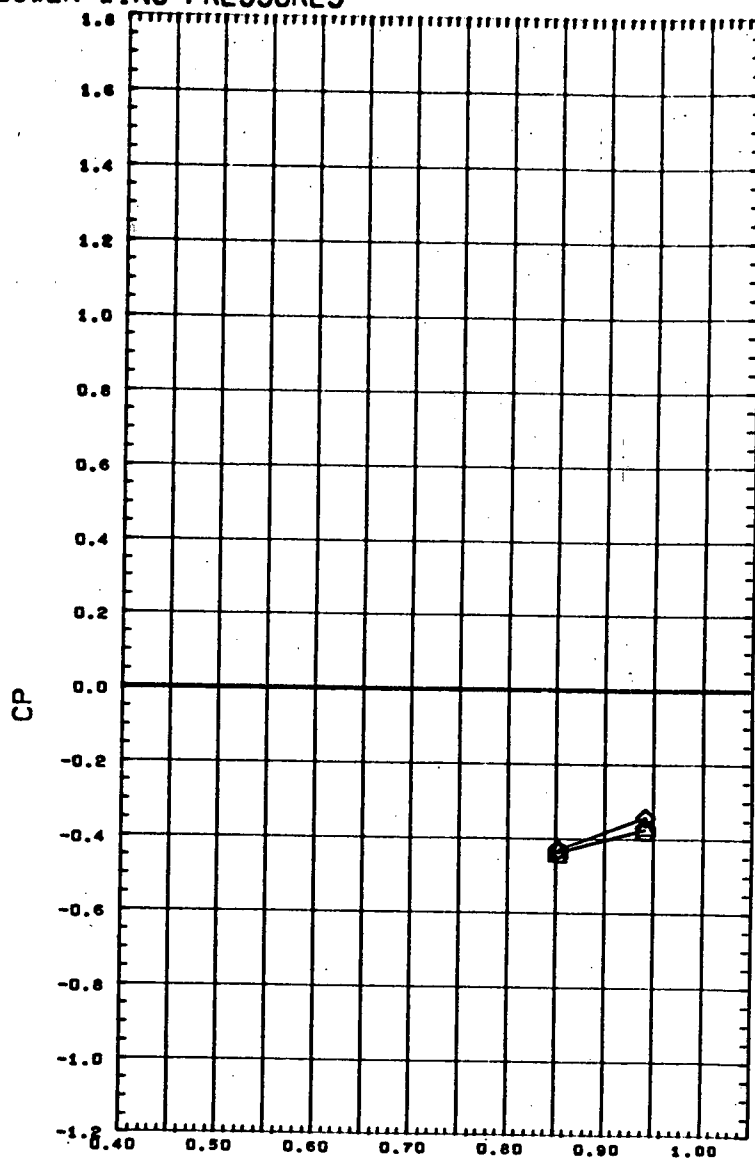
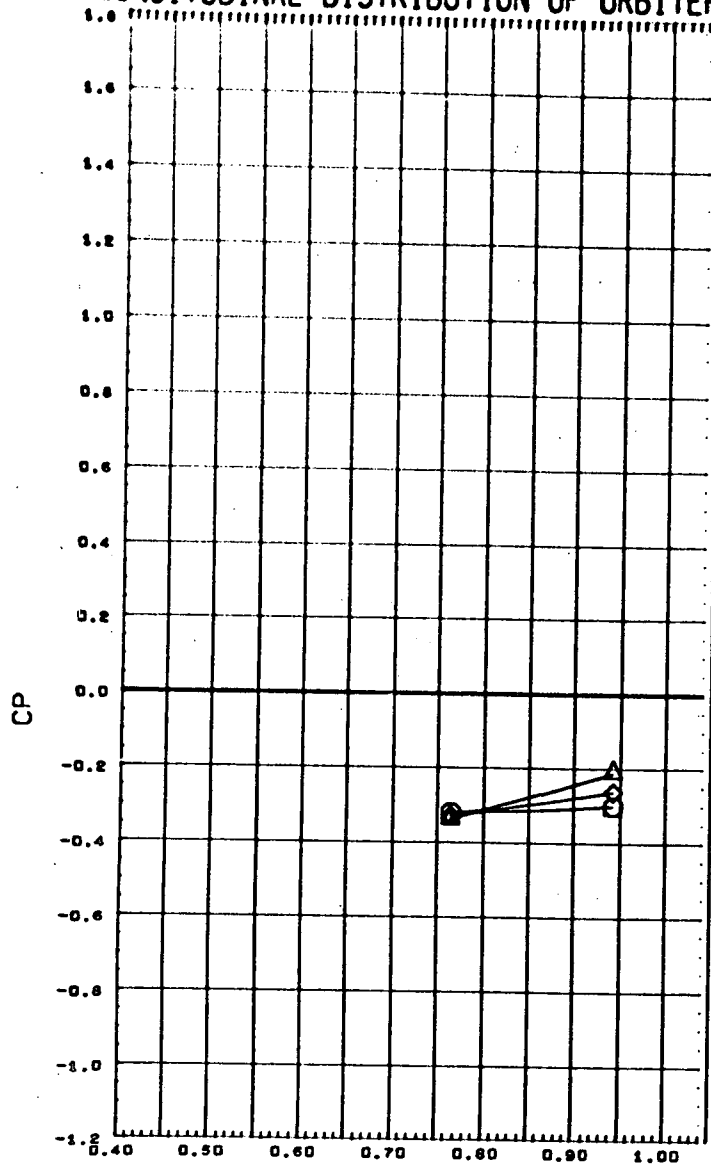


X/L			
SYMBOL	BETA	Y/B	M1
○	4.168	0.230	0.995
△	0.062	0.399	
◇	4.315		

X/L			
PARAMETRIC VALUES			
ALFB	6.000	OX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.168	0.568	0.995
△	0.062	0.738	
◇	4.315		

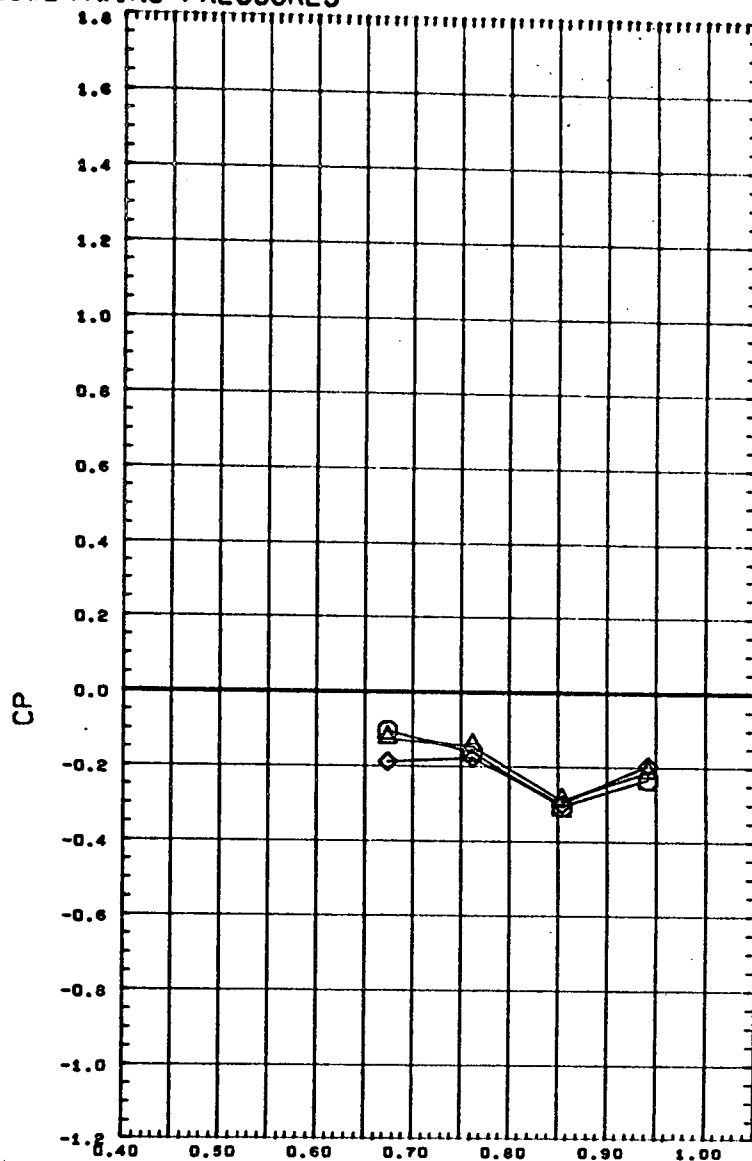
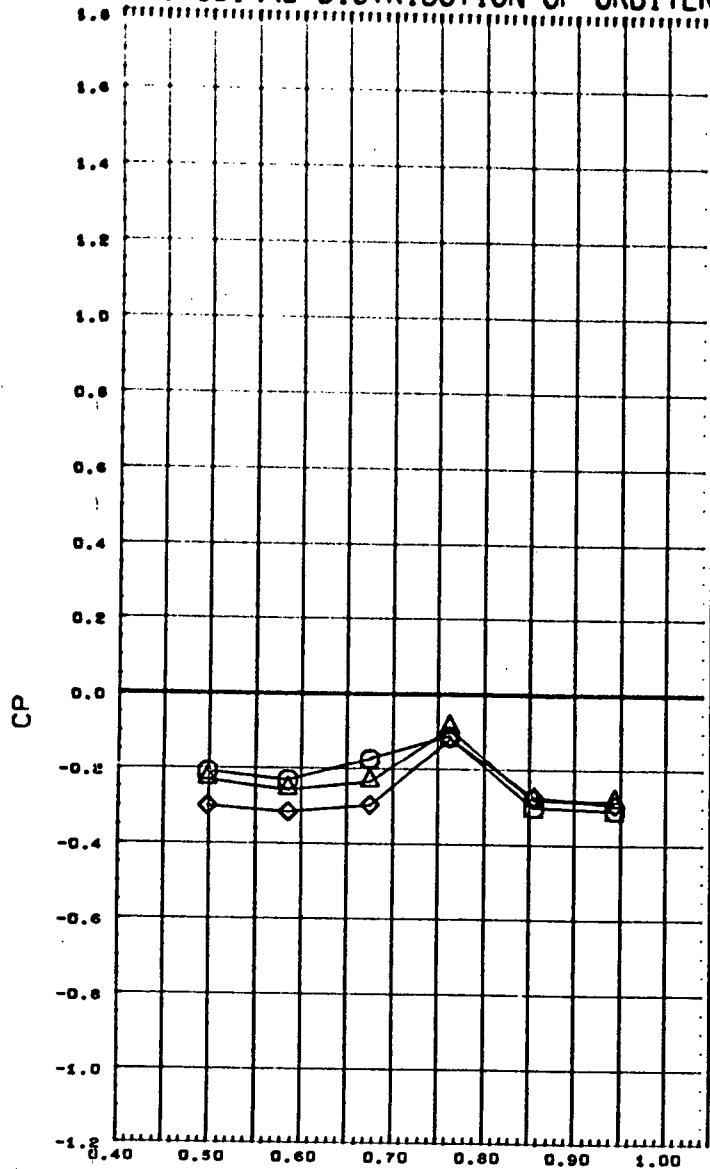
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

PAGE 201

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.195	0.230	1.100
△	0.061	0.399	
◇	4.344		

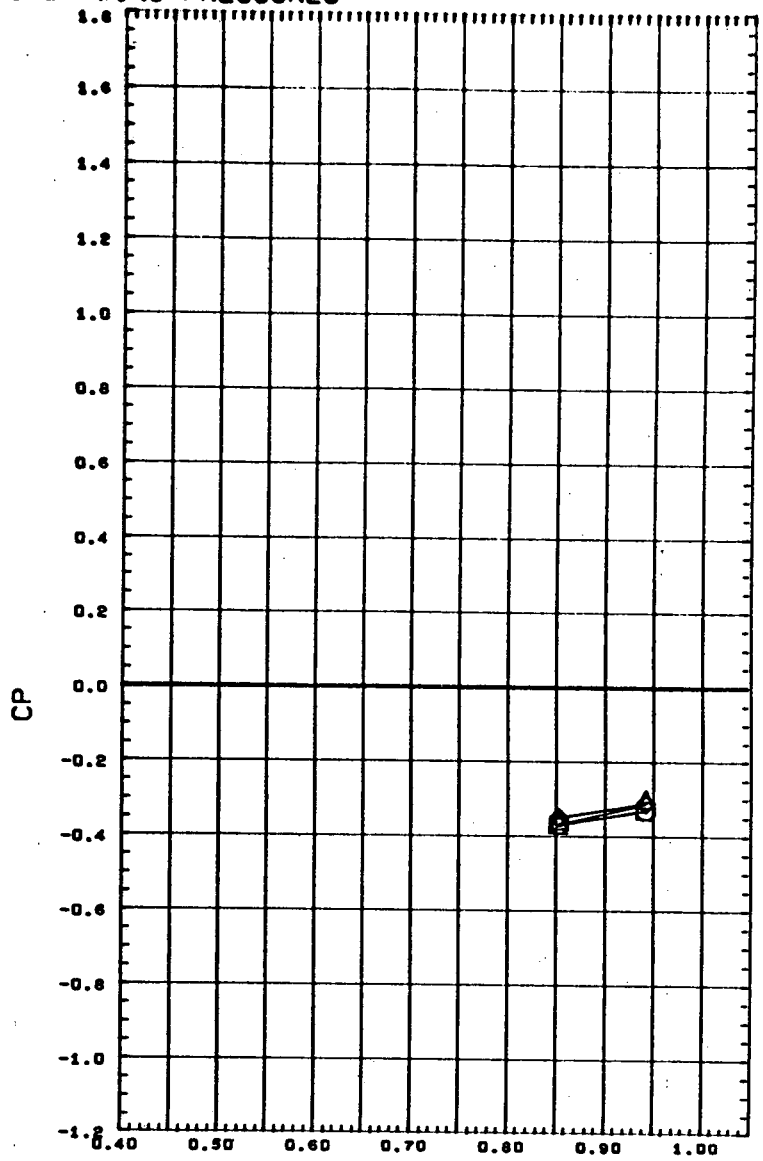
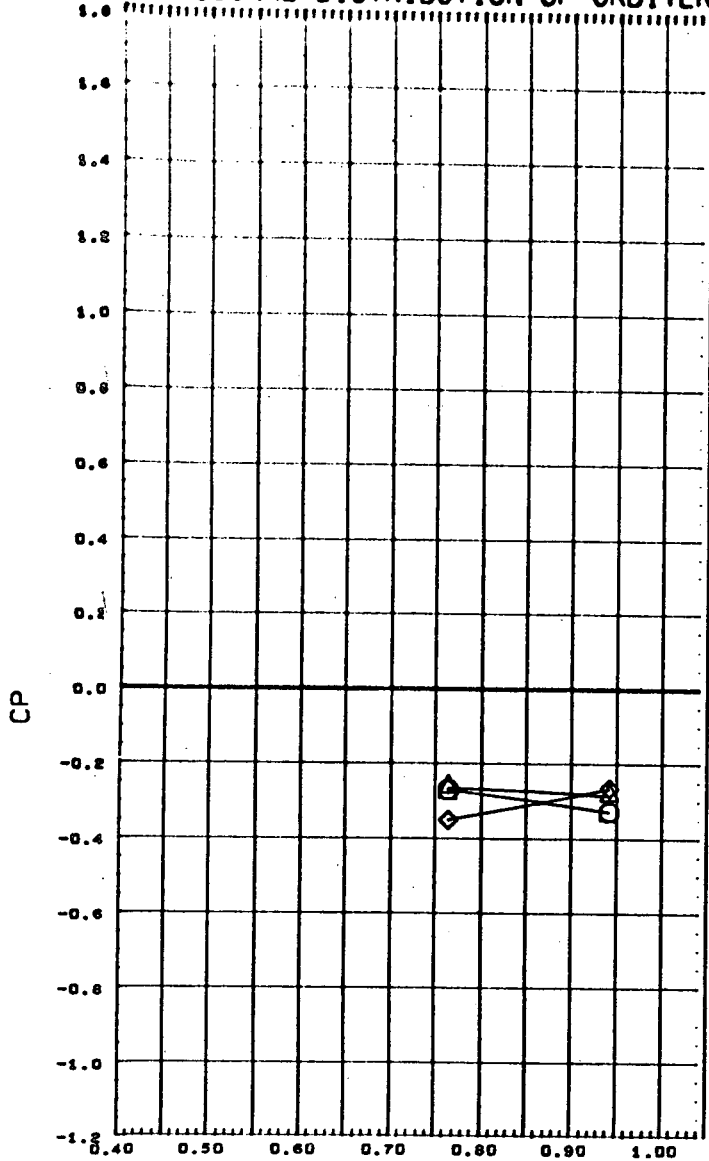
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

PAGE 202

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

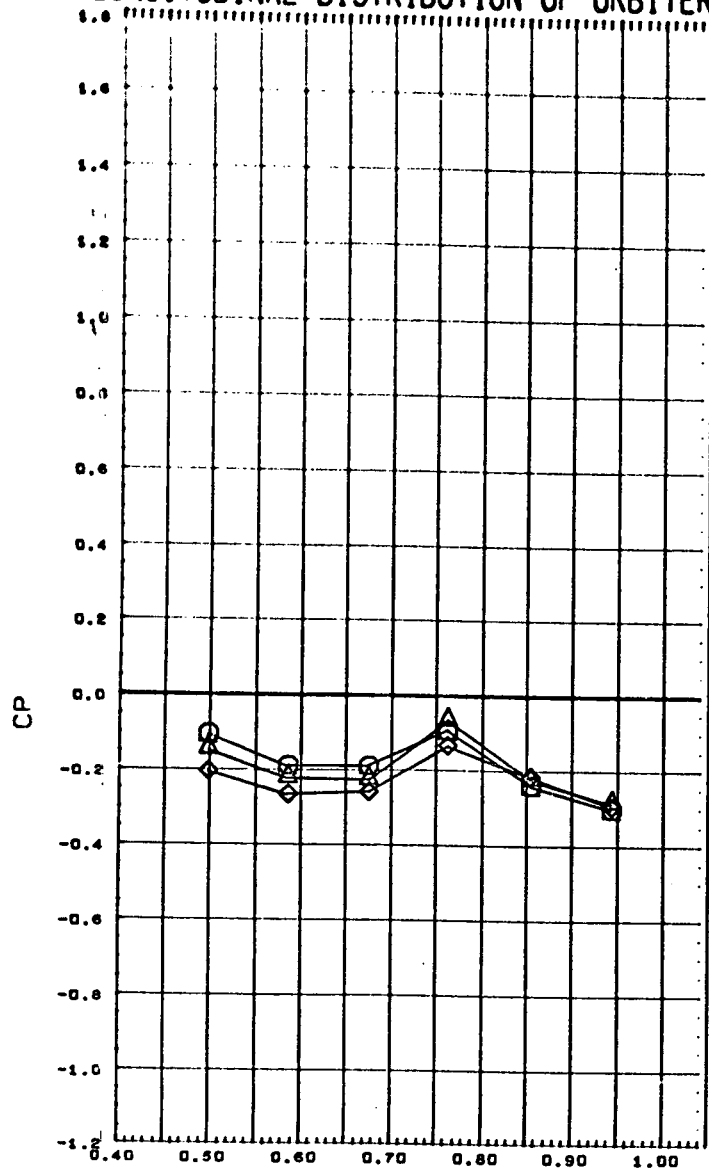


SYMBOL	BETA	Y/B	M1
○	4.195	0.568	1.100
△	0.061	0.738	
◇	4.344		

PARAMETRIC VALUES		
ALFB	- 6.000	OX/L 0.036
I	0.000	

REFERENCE FILE

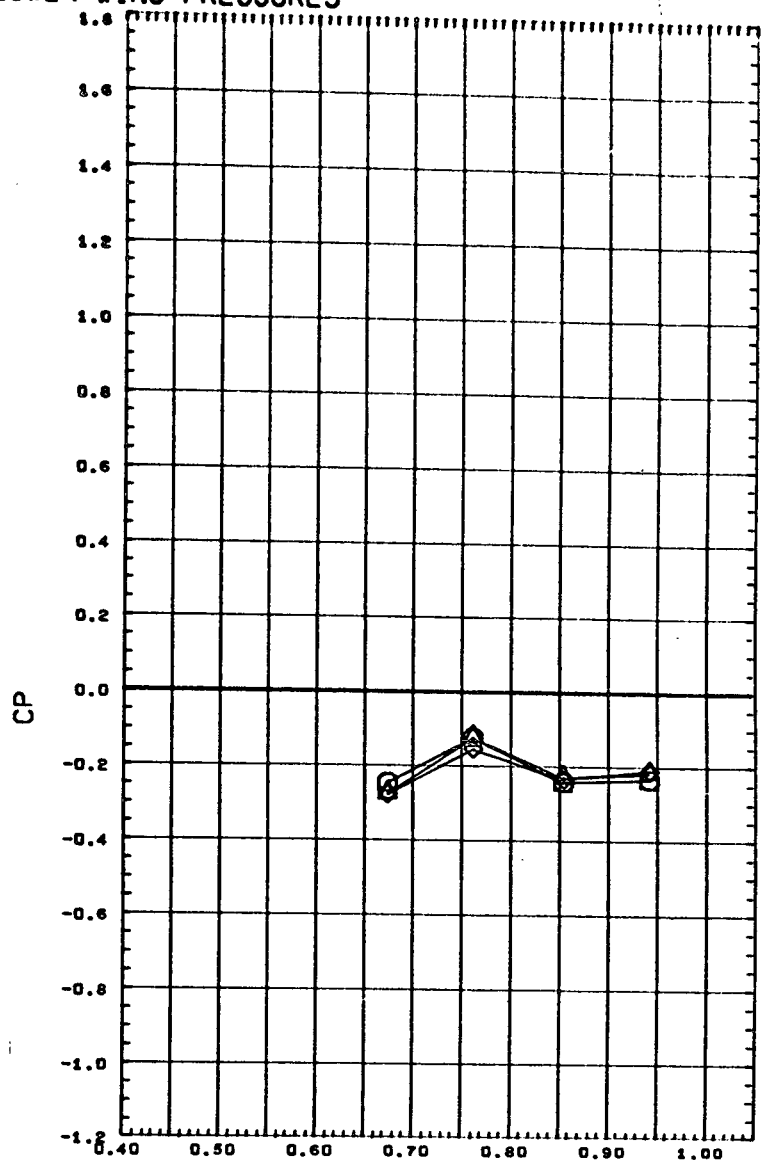
LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.213	0.230	1.199
△	0.048	0.399	
◇	4.359		

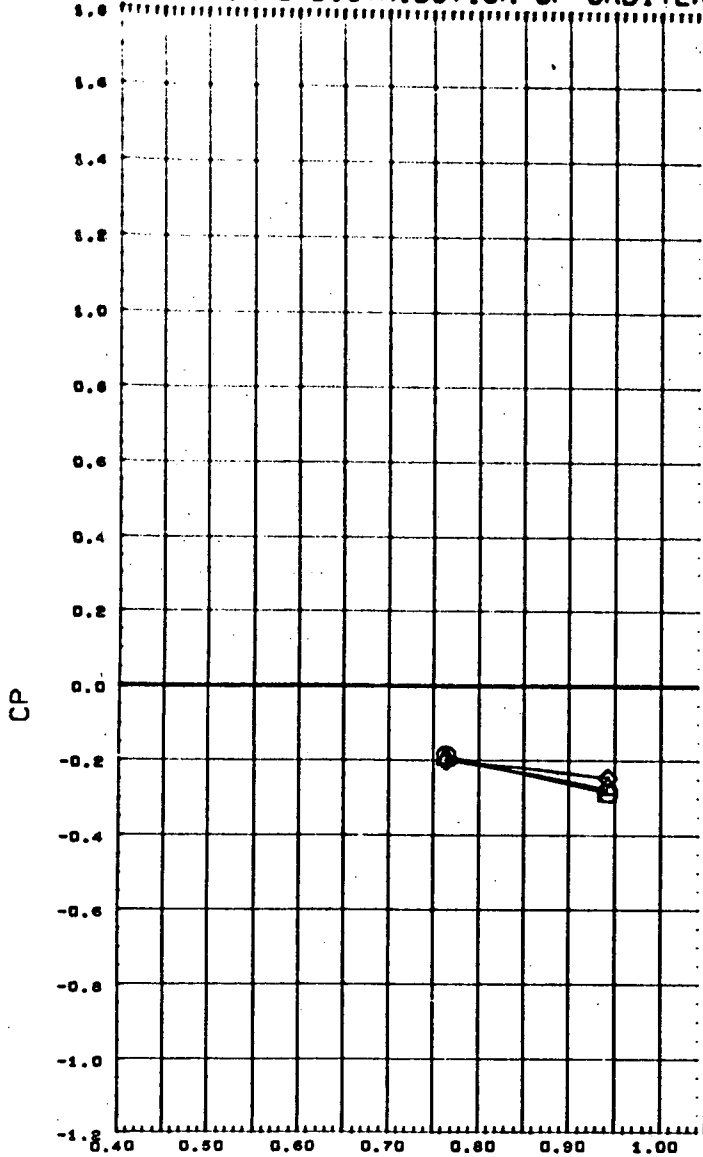
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AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

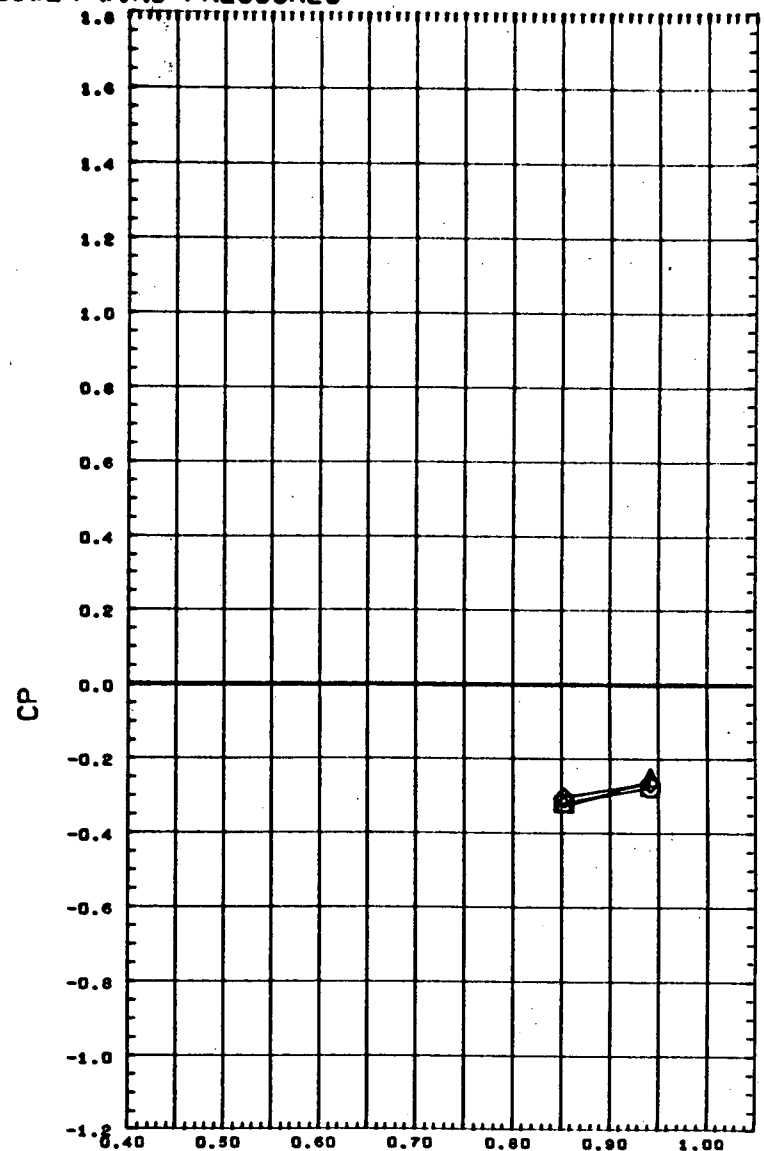


X/L	PARAMETRIC VALUES
ALFB	6.000
I	0.000
DX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	- 4.213	0.568	1.199
△	0.048	0.738	
◇	4.359		



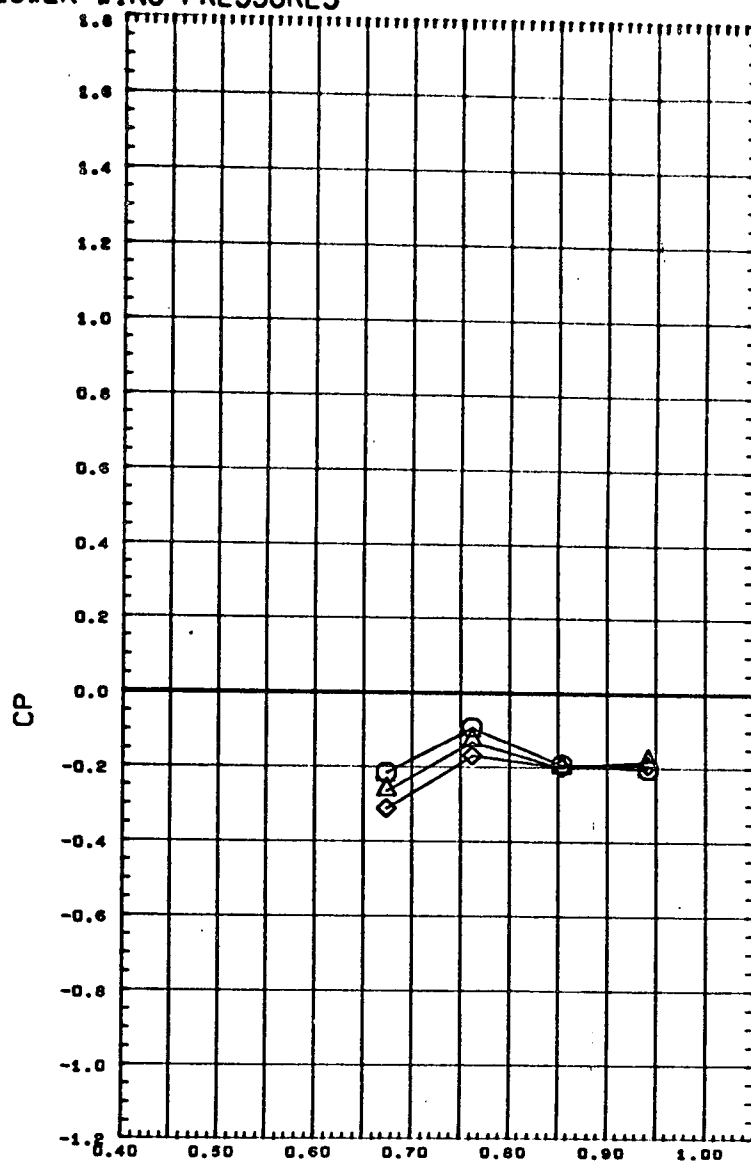
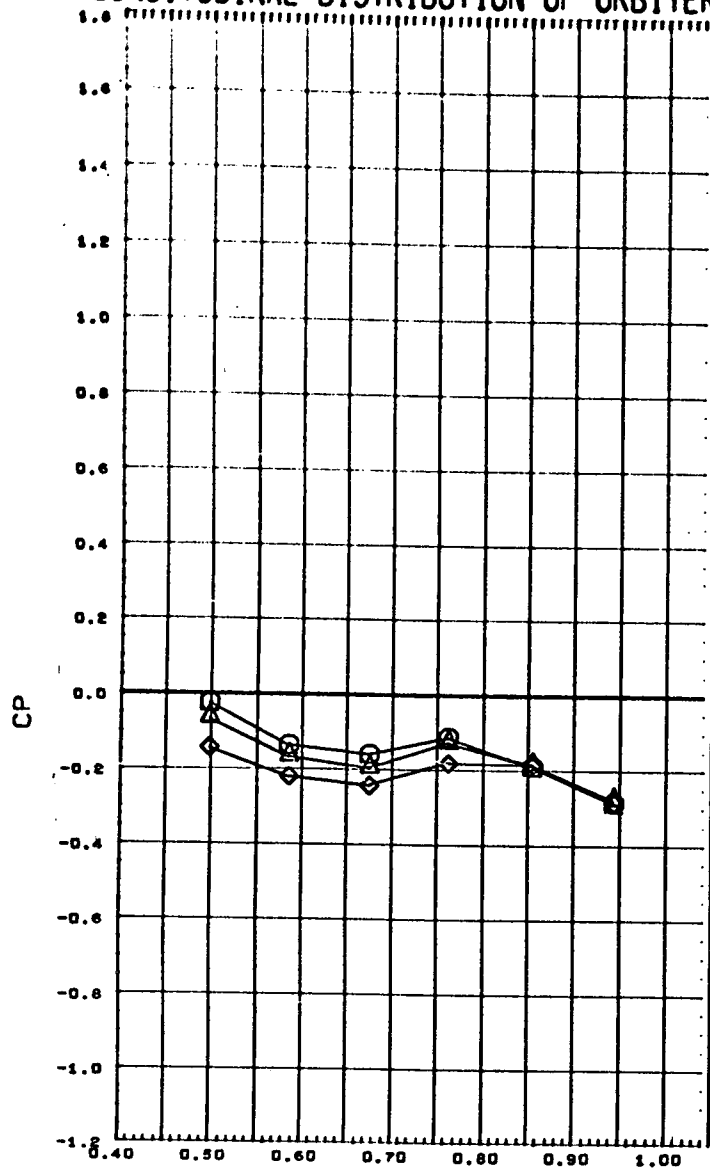
X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.204	0.230	1.297
△	0.035	0.399	
◇	4.318		

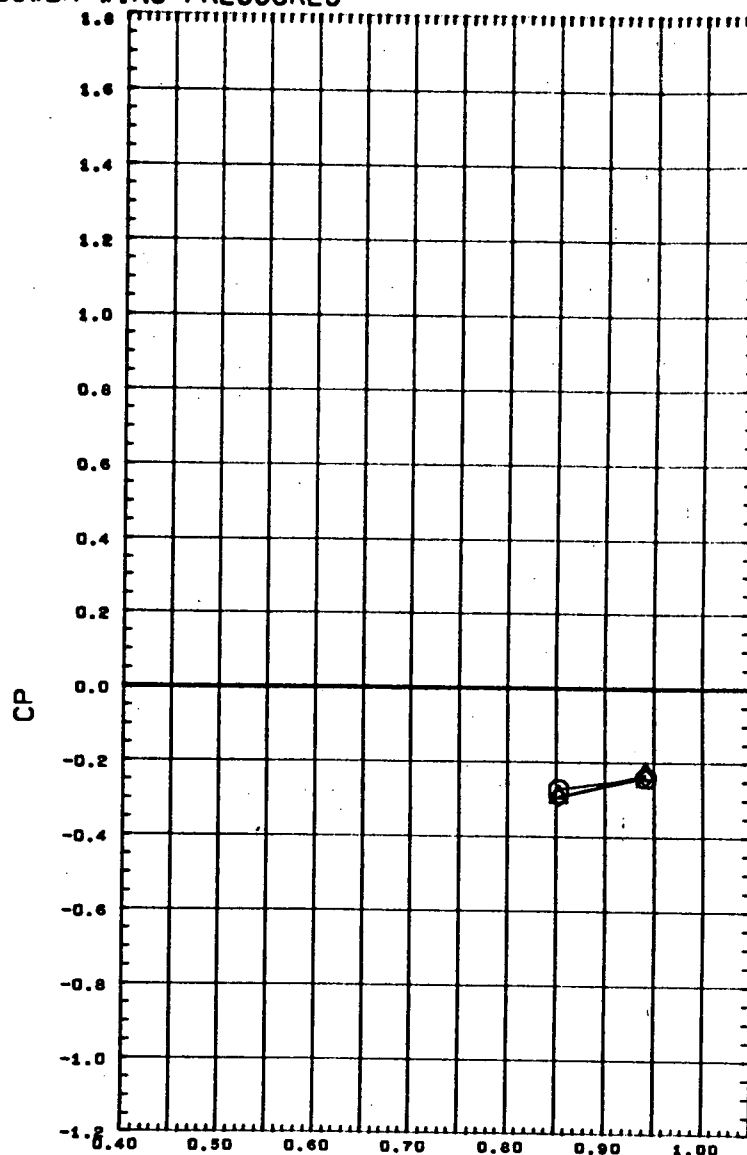
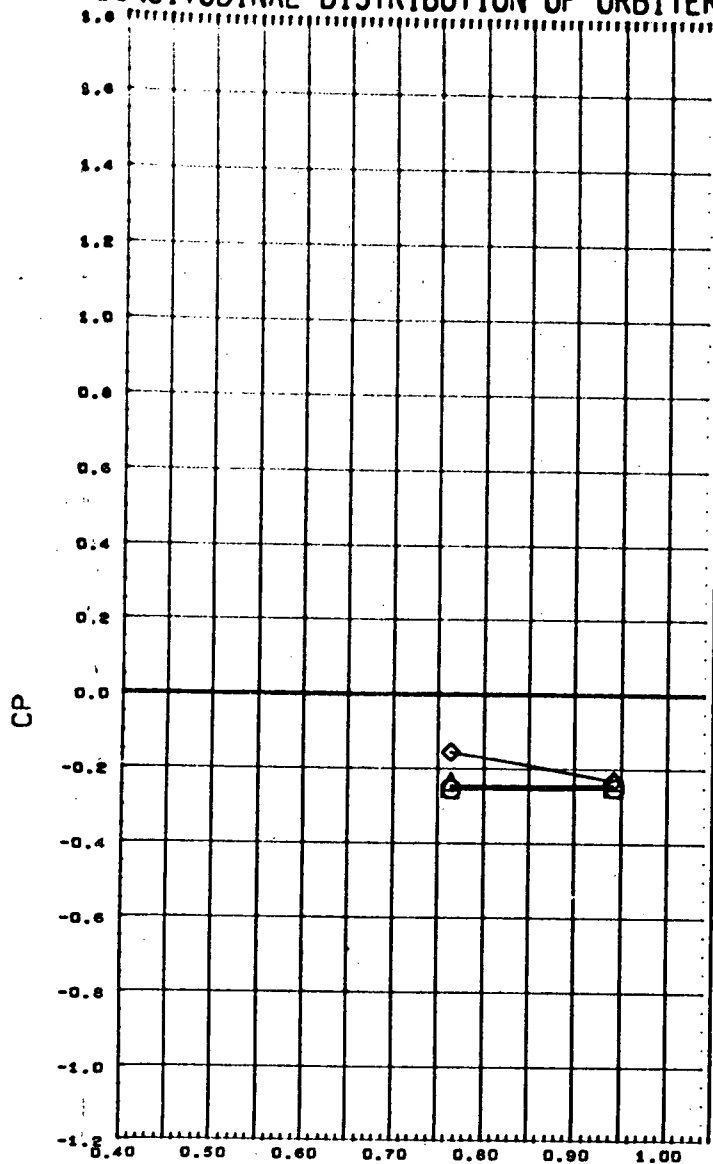
X/L			
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.204	0.568	1.297
△	0.035	0.738	
◇	4.318		

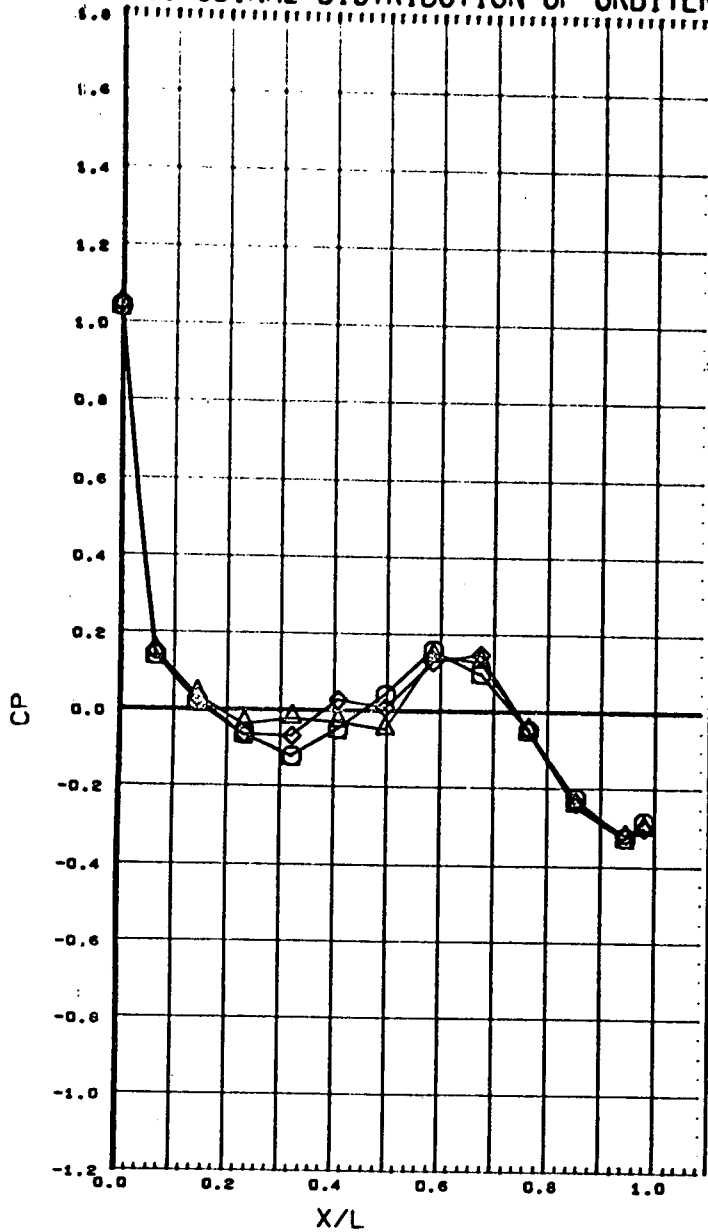
X/L	PARAMETRIC VALUES
ALFB	- 6.000
I	0.000
DX/L	0.036

REFERENCE FILE

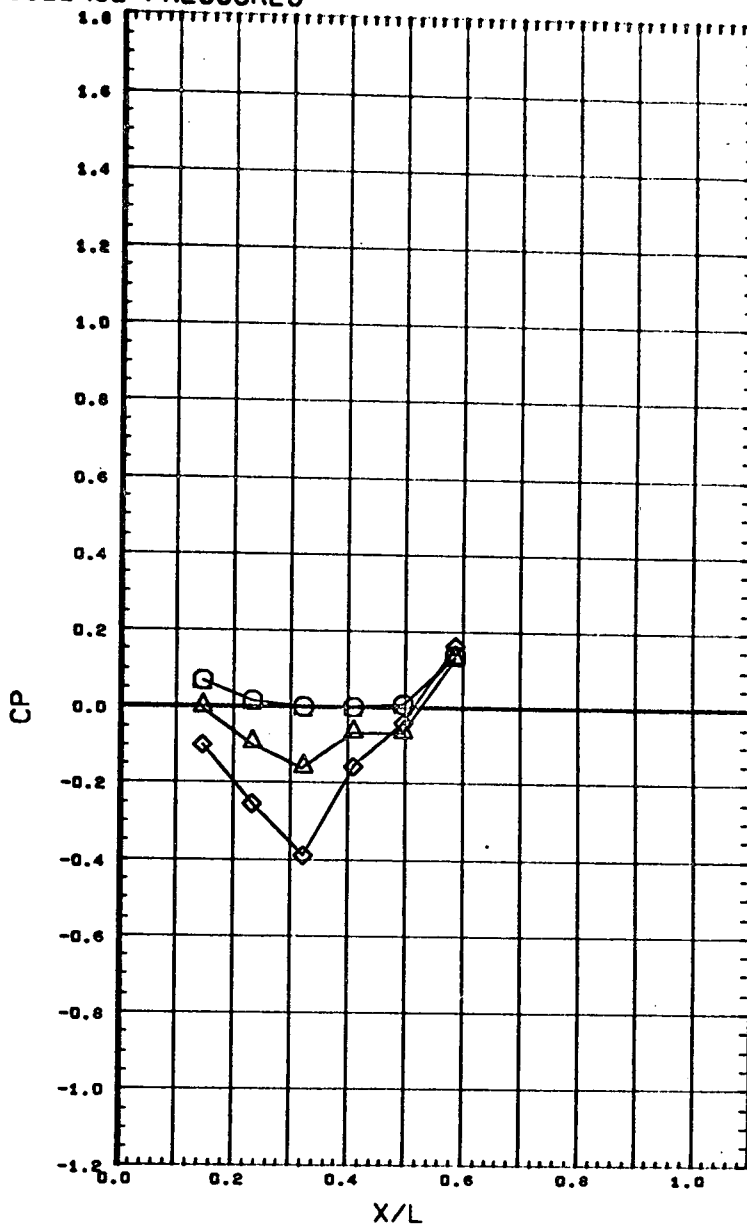
AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.664	0.000	0.600
△	0.026	0.076	
◇	3.735		



PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

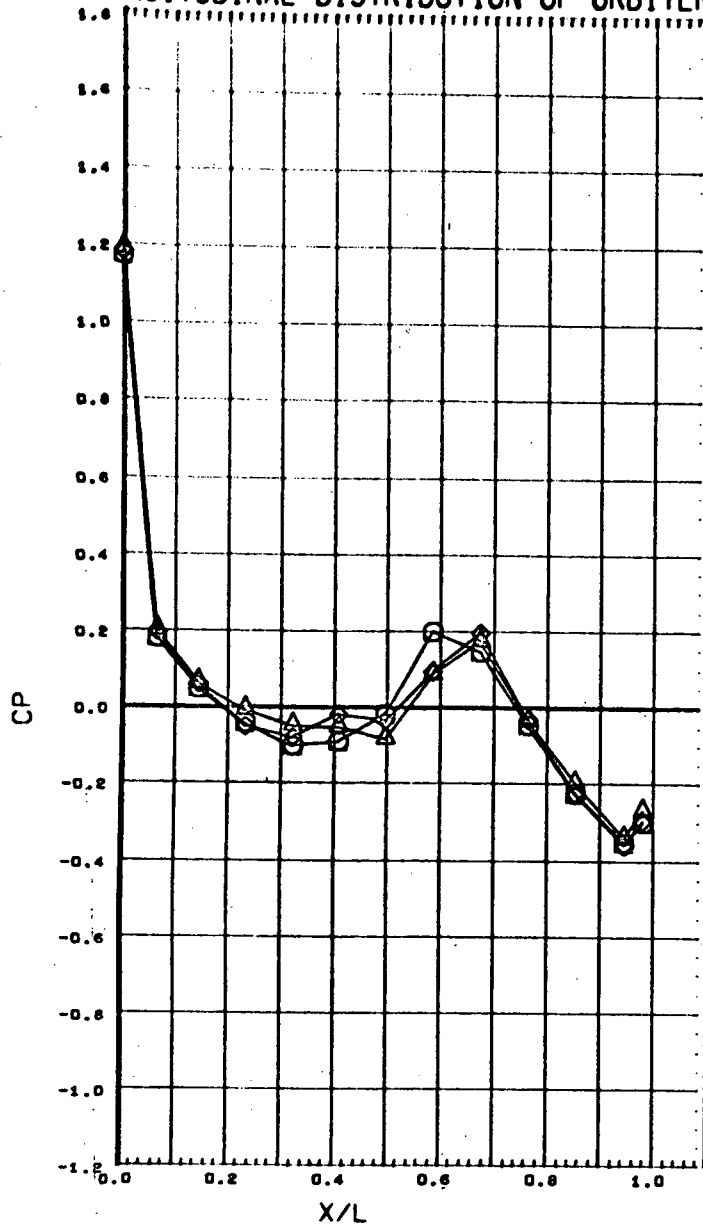
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

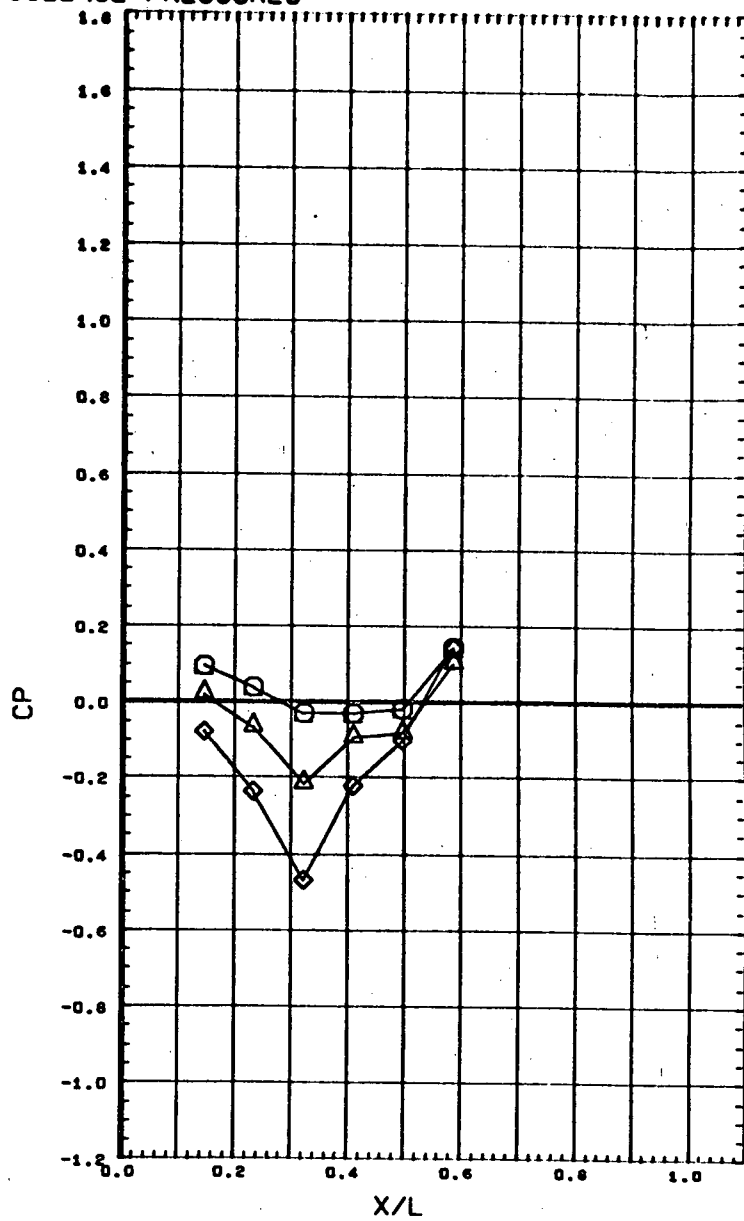
(FTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.711	0.000	0.901
△	0.038	0.076	
◇	3.785		



ALFB	PARAMETRIC VALUES	DX/L
6.000		0.036
1	0.000	

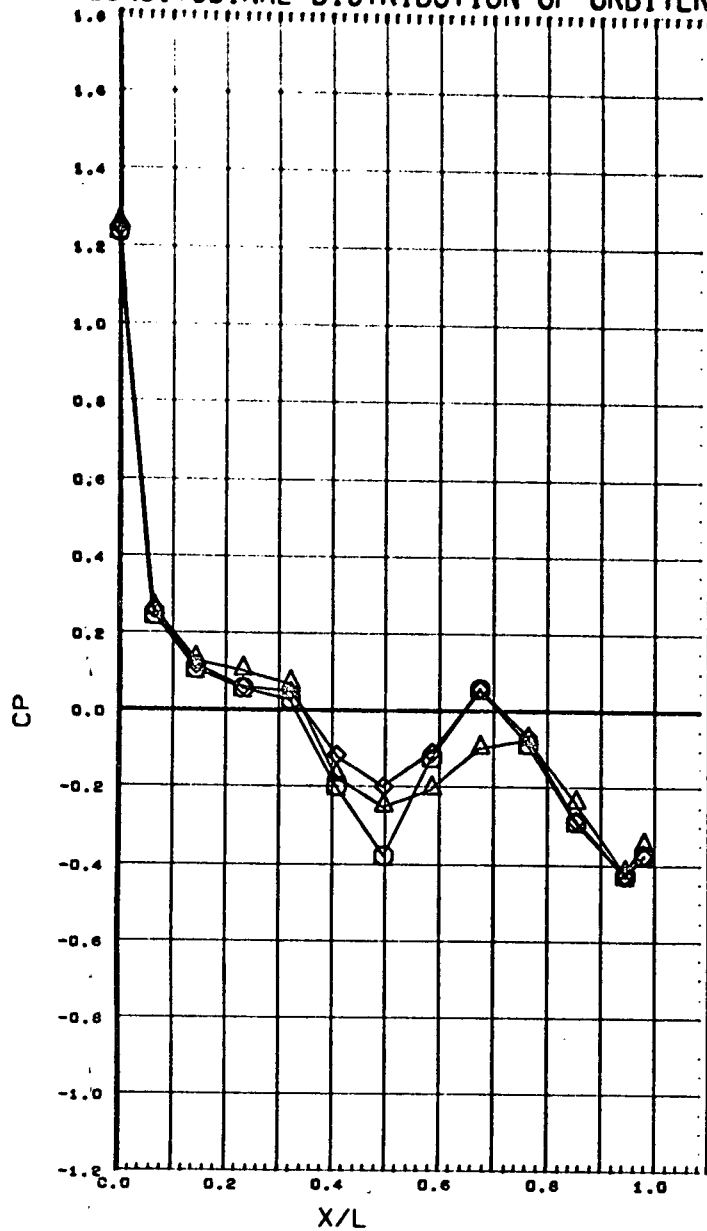
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

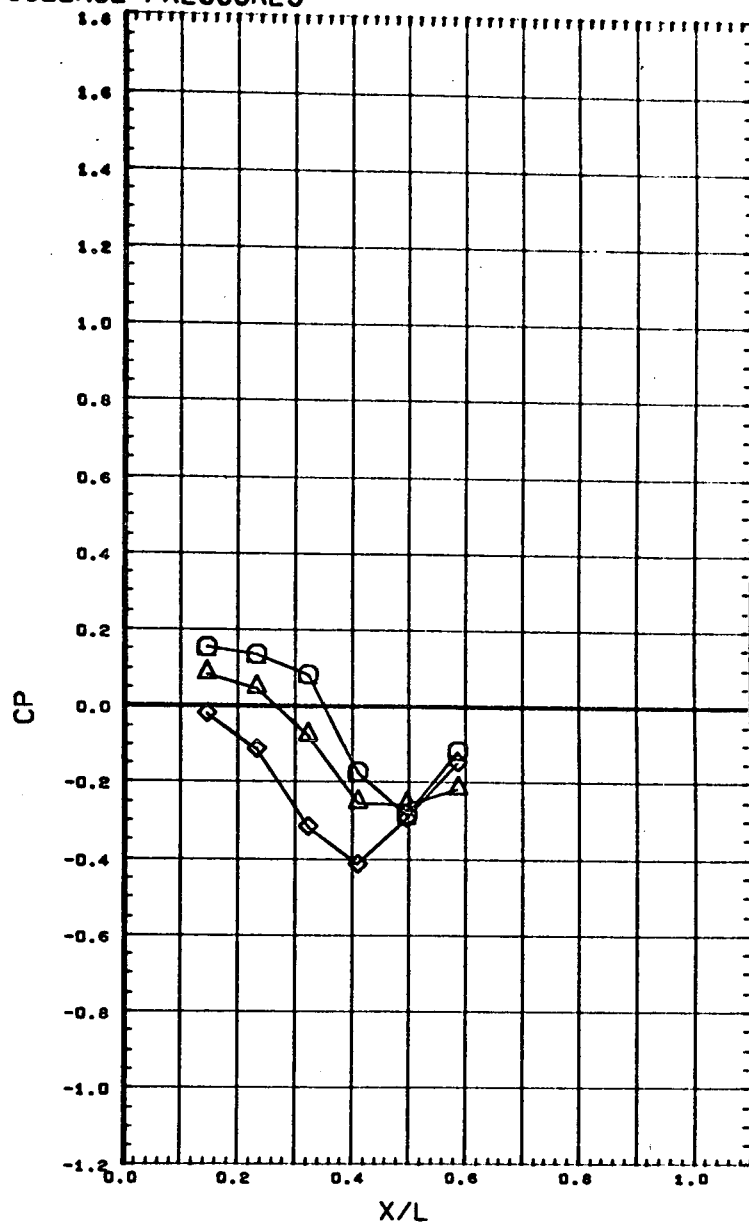
(FTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



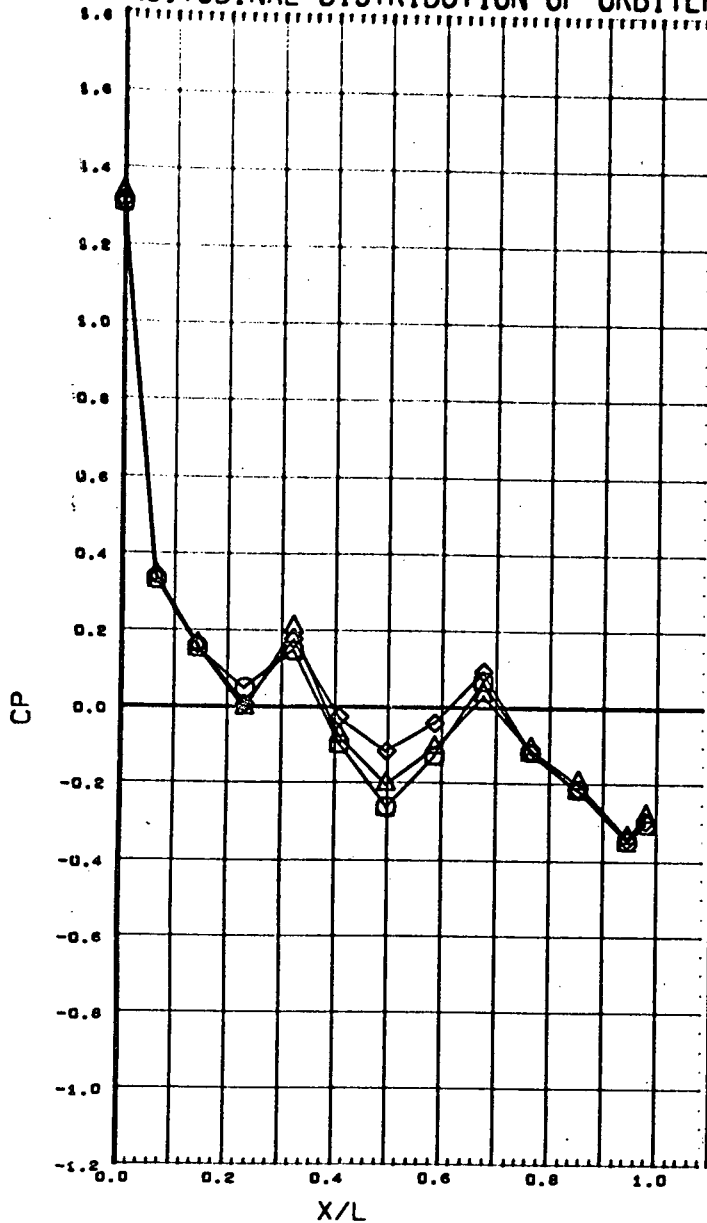
SYMBOL	BETA	Y/B	M1
○	3.742	0.000	1.002
△	0.036	0.076	
◇	3.642		



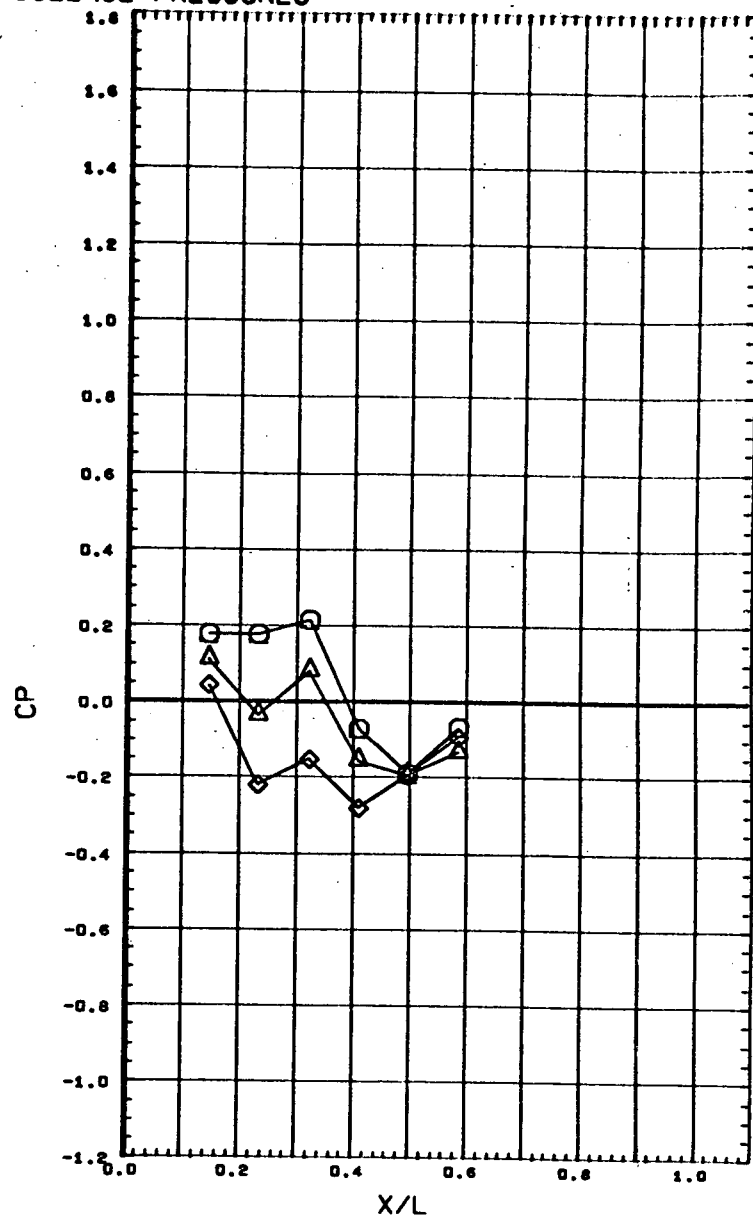
PARAMETRIC VALUES			
ALPB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.747	0.000	1.100
△	0.027	0.076	
◇	3.836		



PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

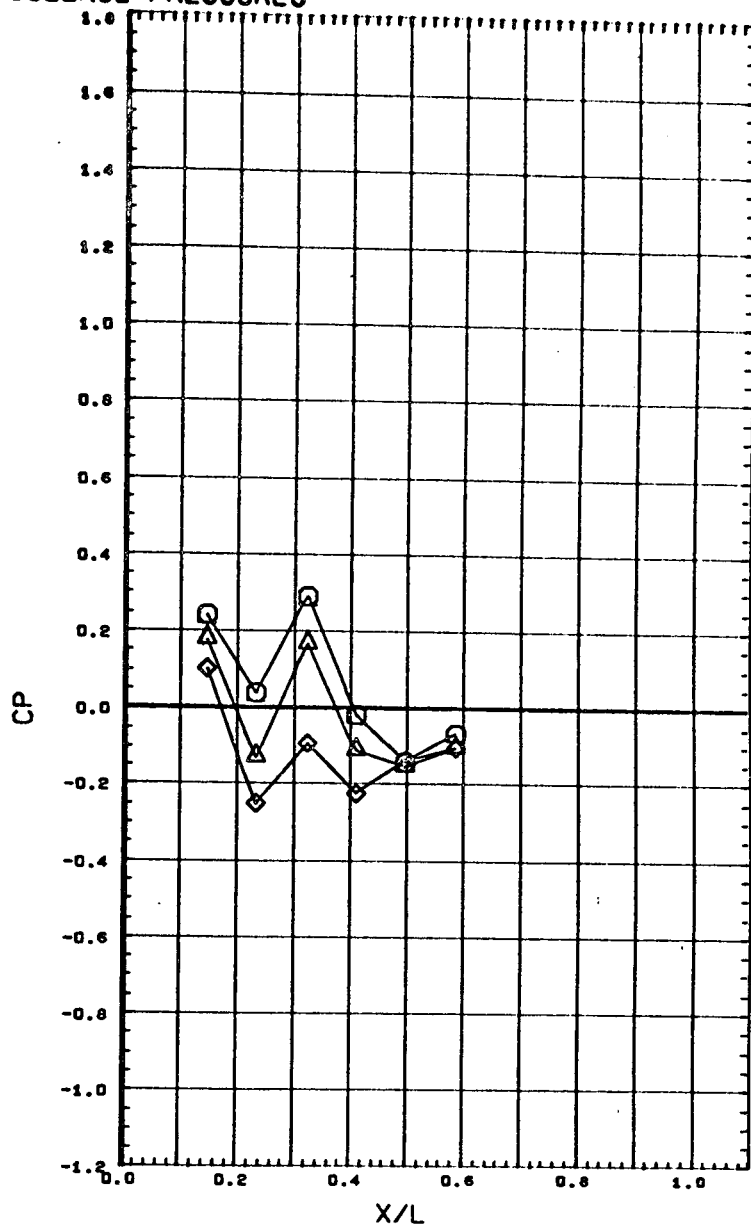
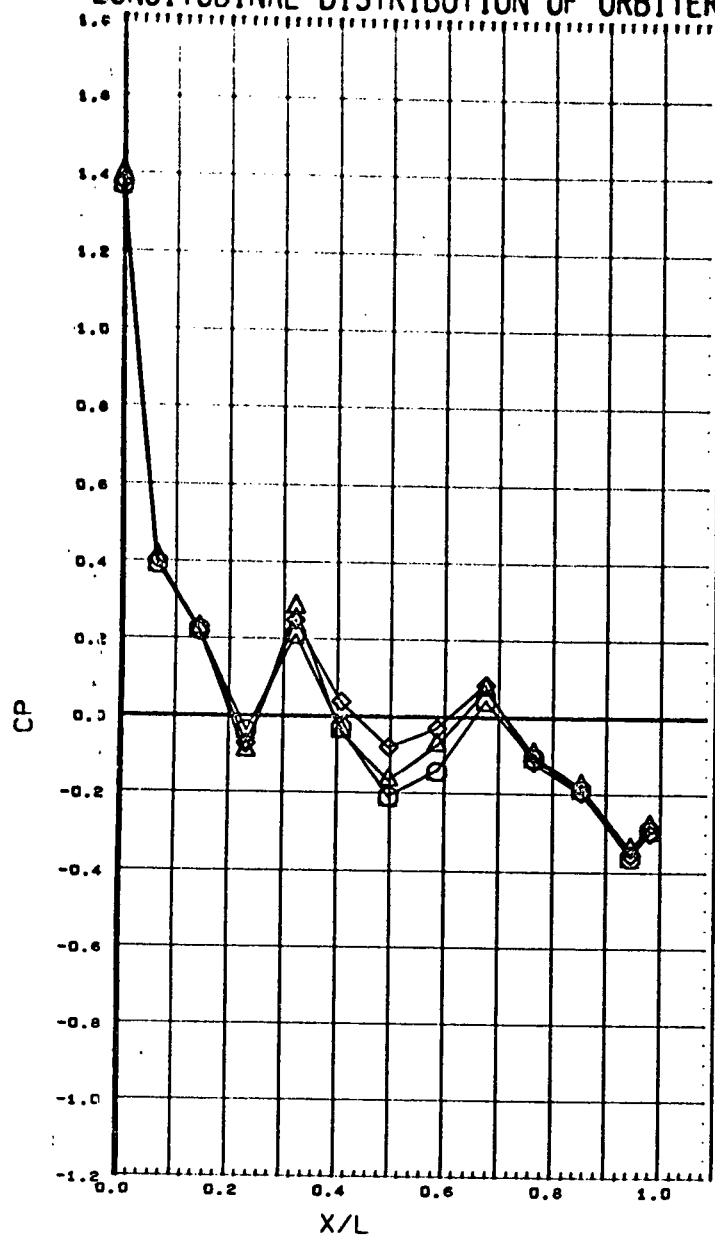
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.783	0.000	1.201
△	0.017	0.076	
◇	3.843		

PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

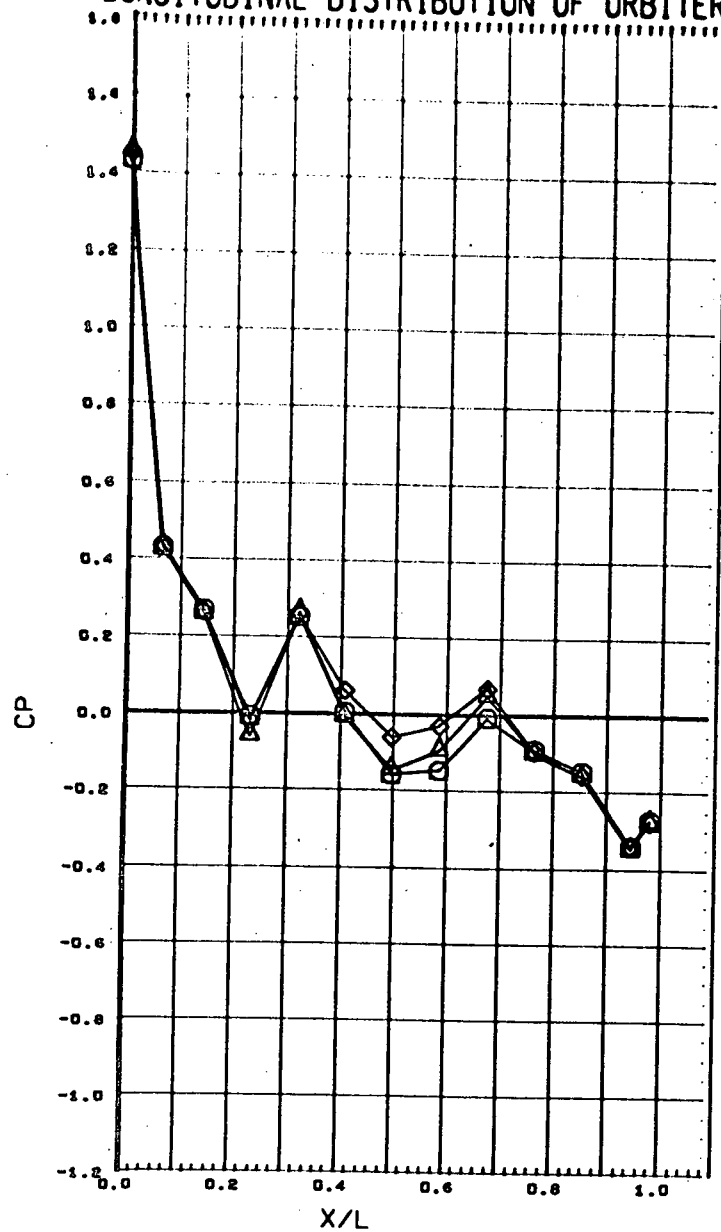
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC008)

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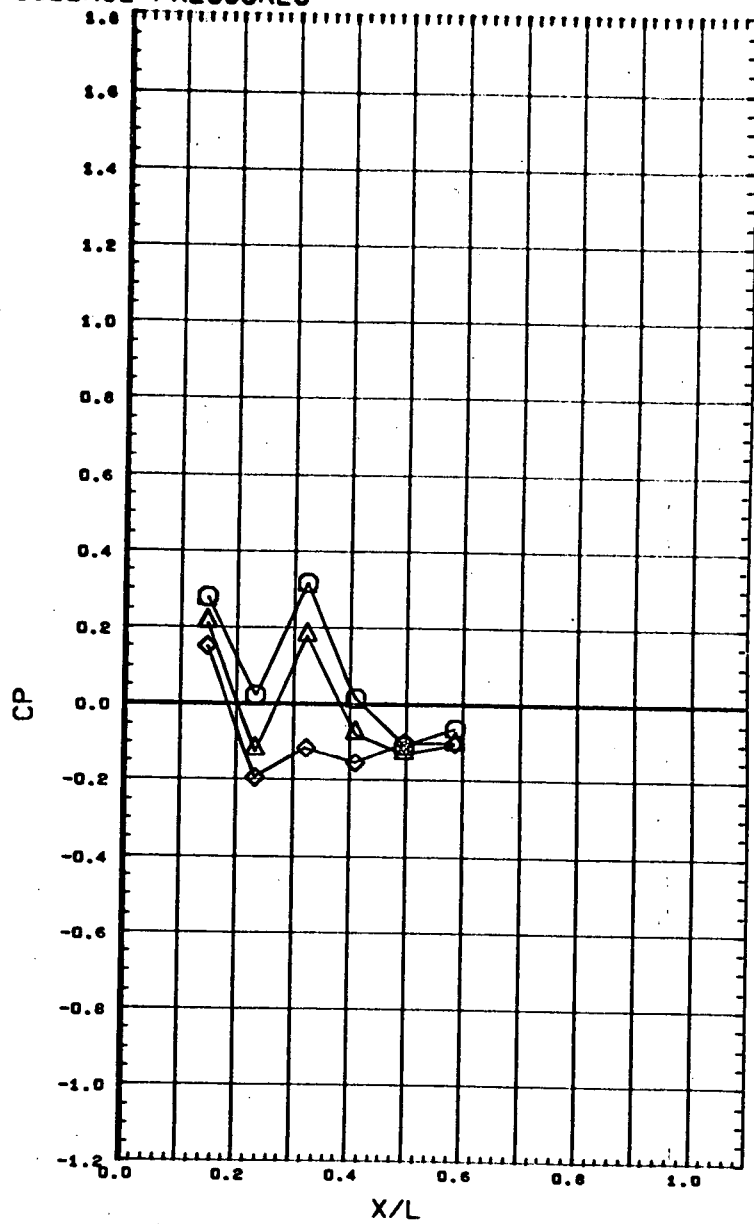
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.787	0.000	1.299
△	0.024	0.076	
◇	3.837		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

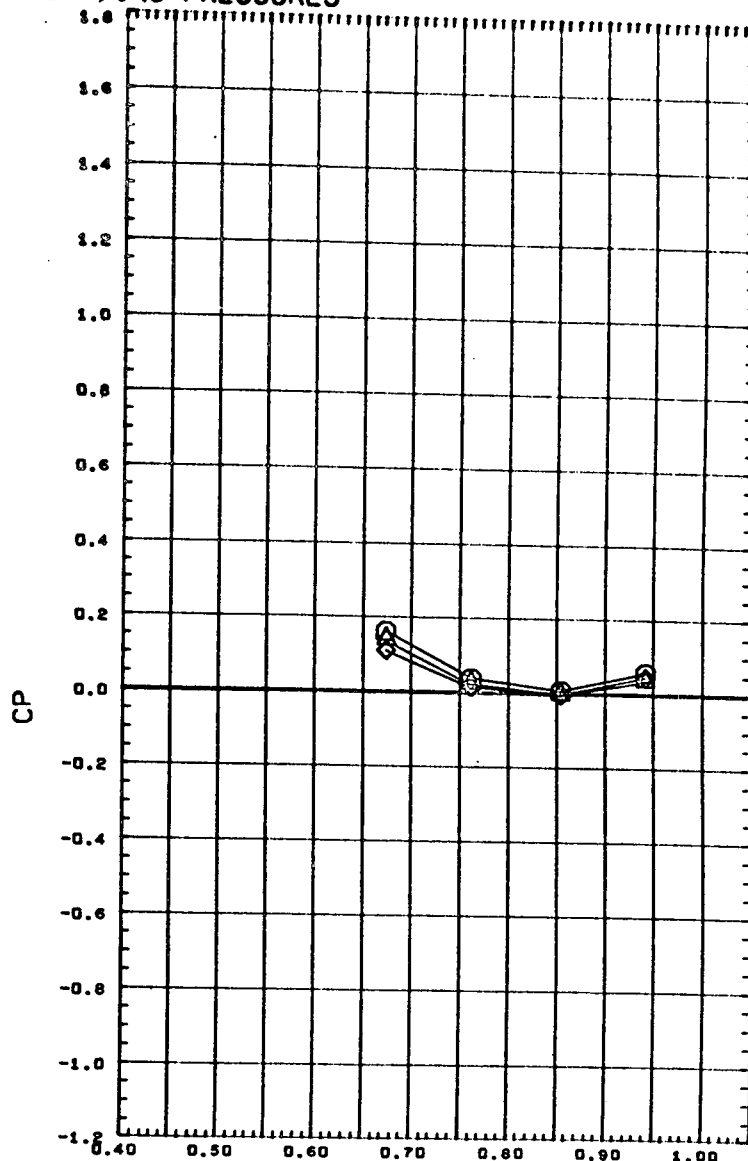
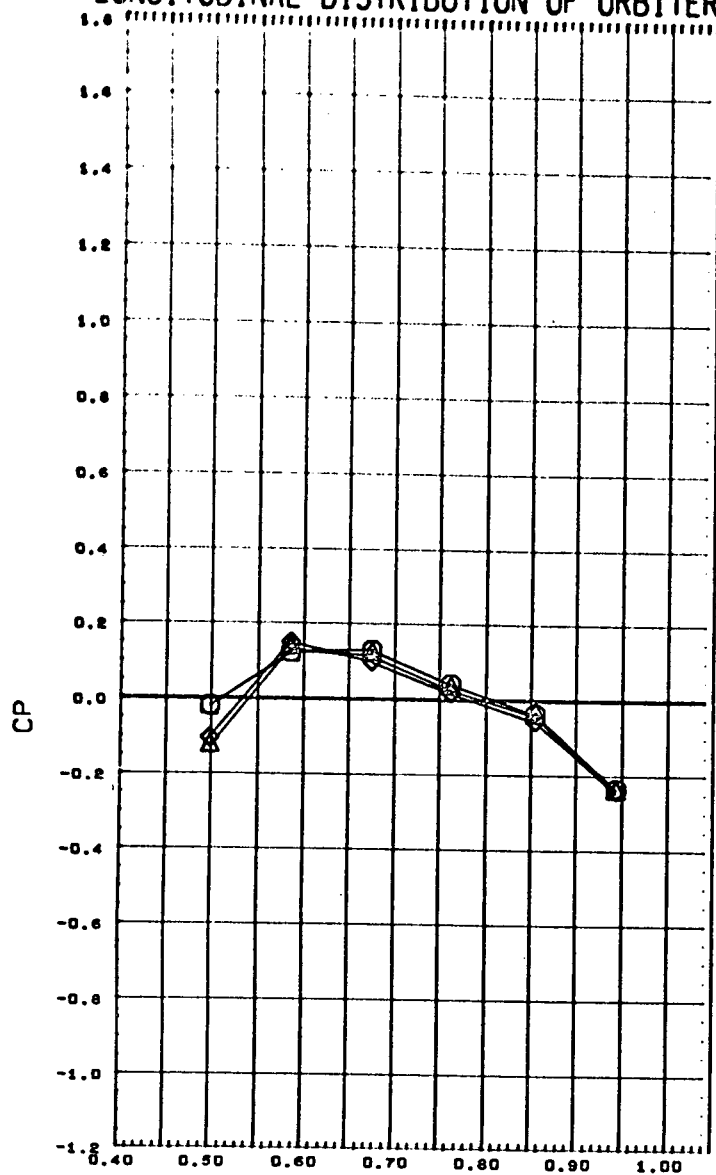


PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.036
I	0.000	

(FTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.664	0.230	0.600
△	0.026	0.399	
◇	3.735		

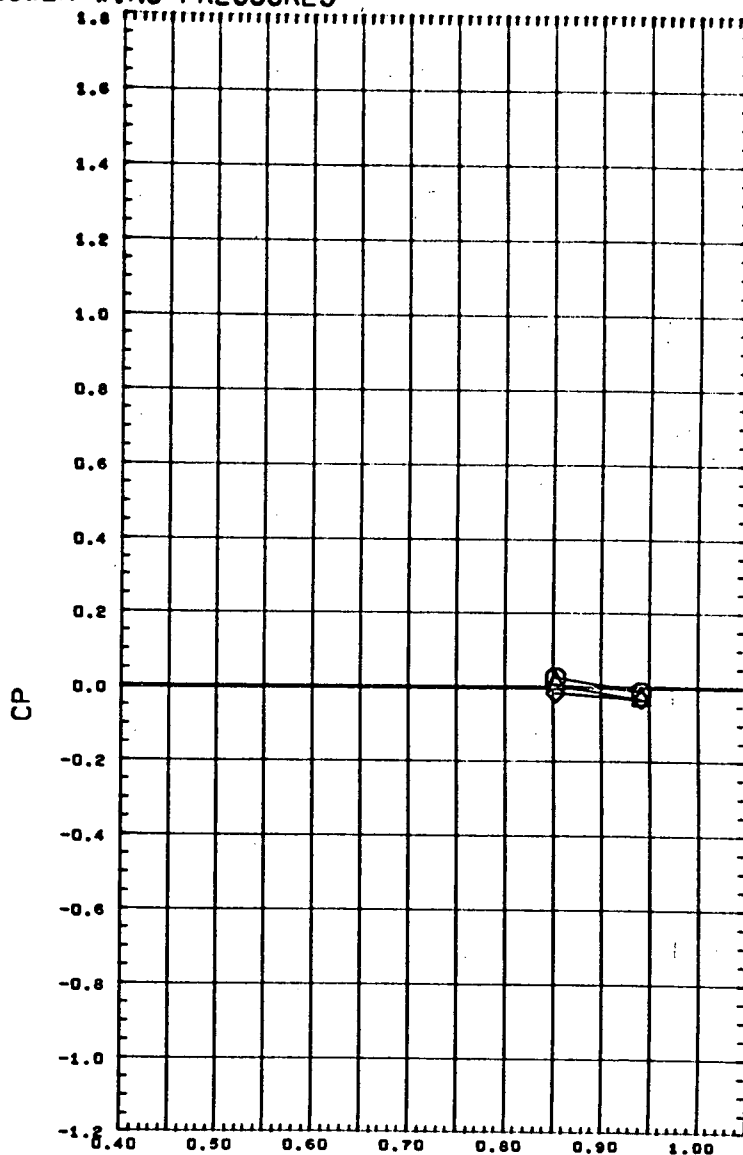
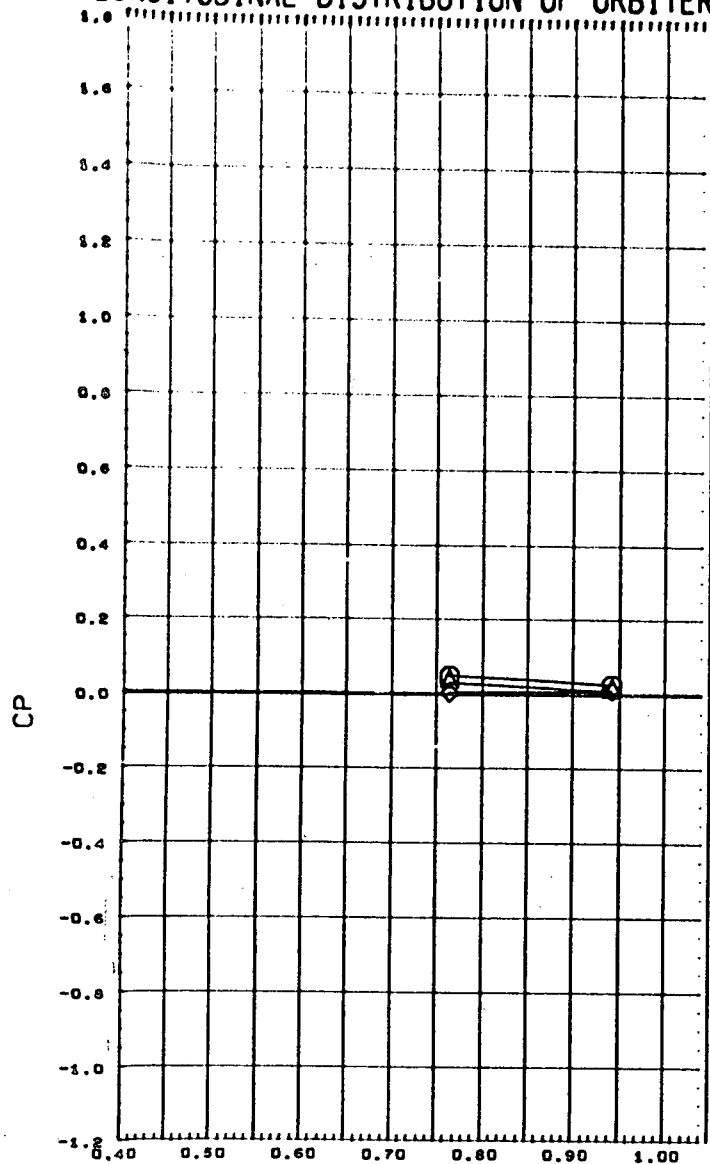
X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

PAGE 214

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.664	0.568	0.600
△	0.026	0.738	
◇	3.735		

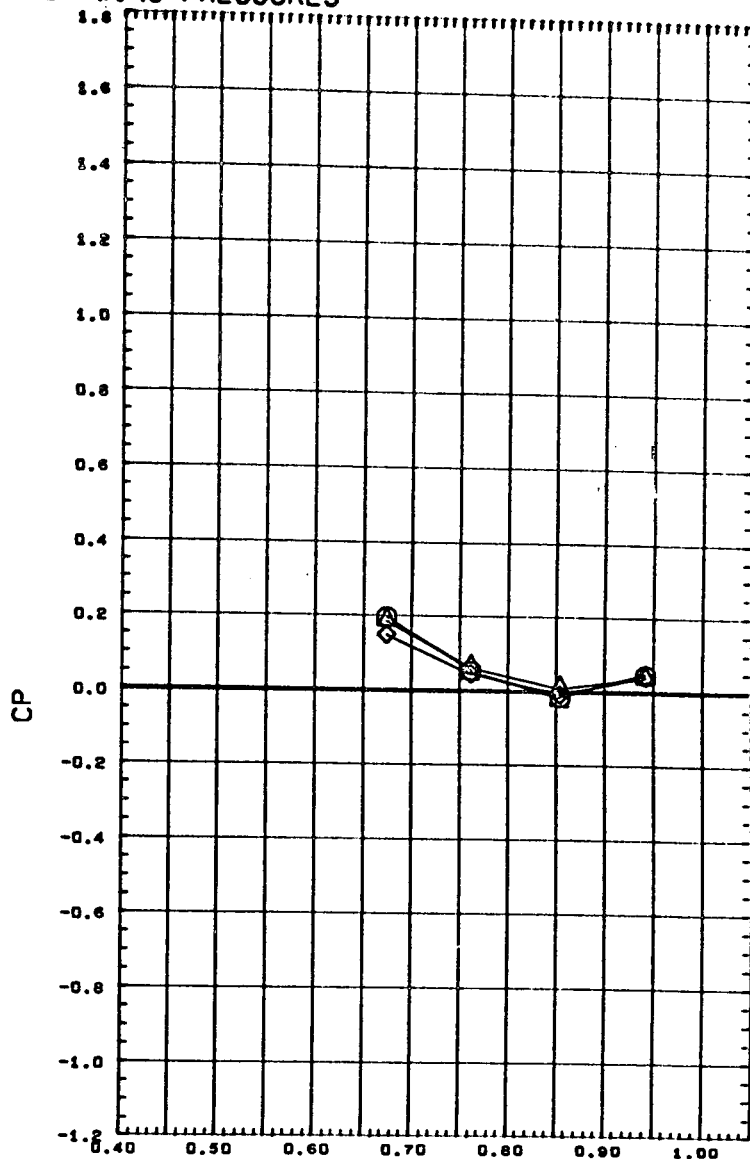
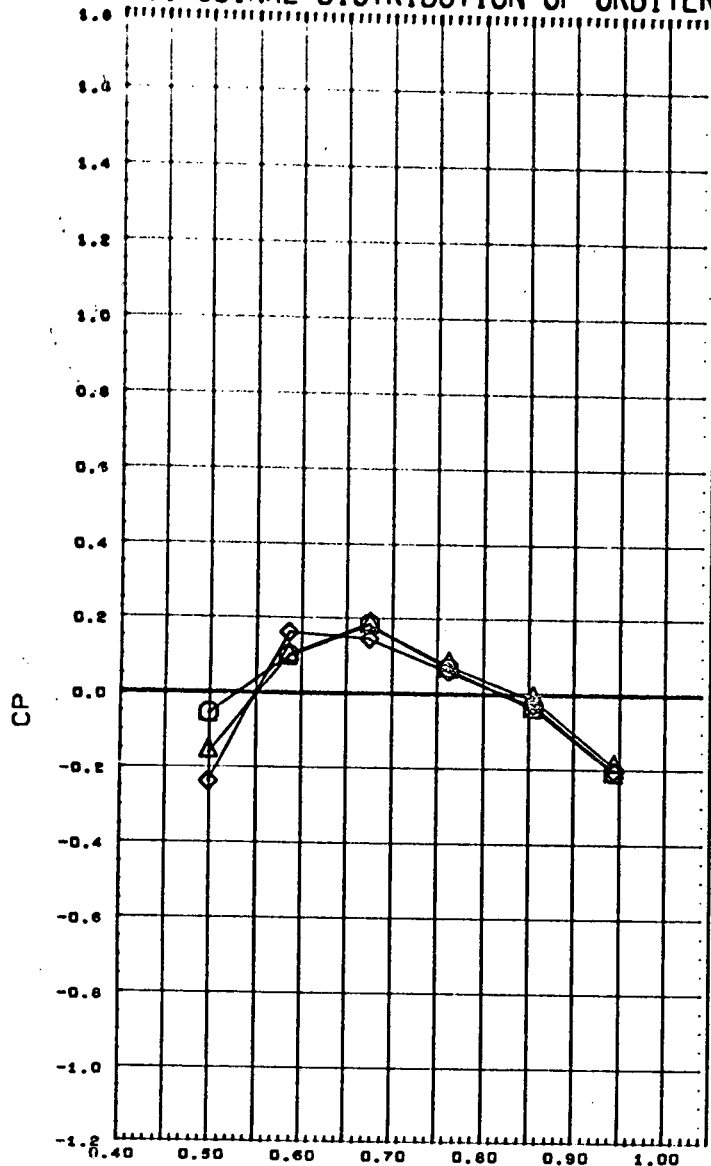
X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

PAGE 215

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

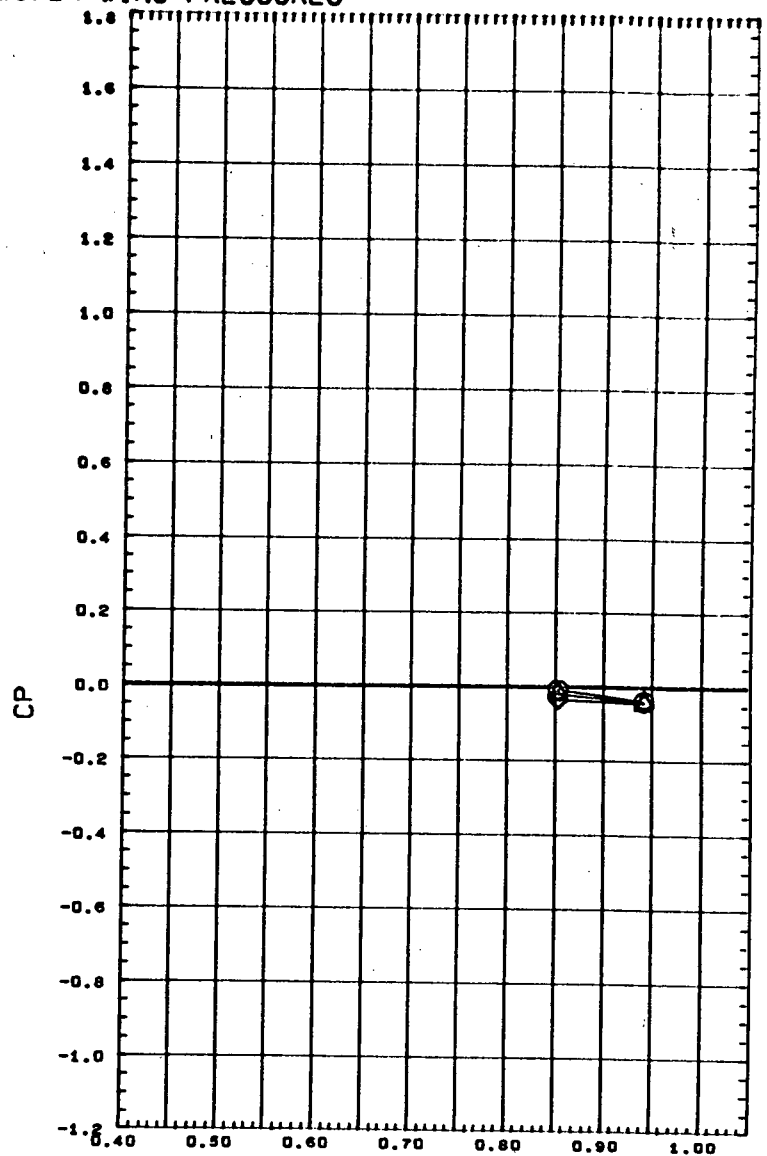
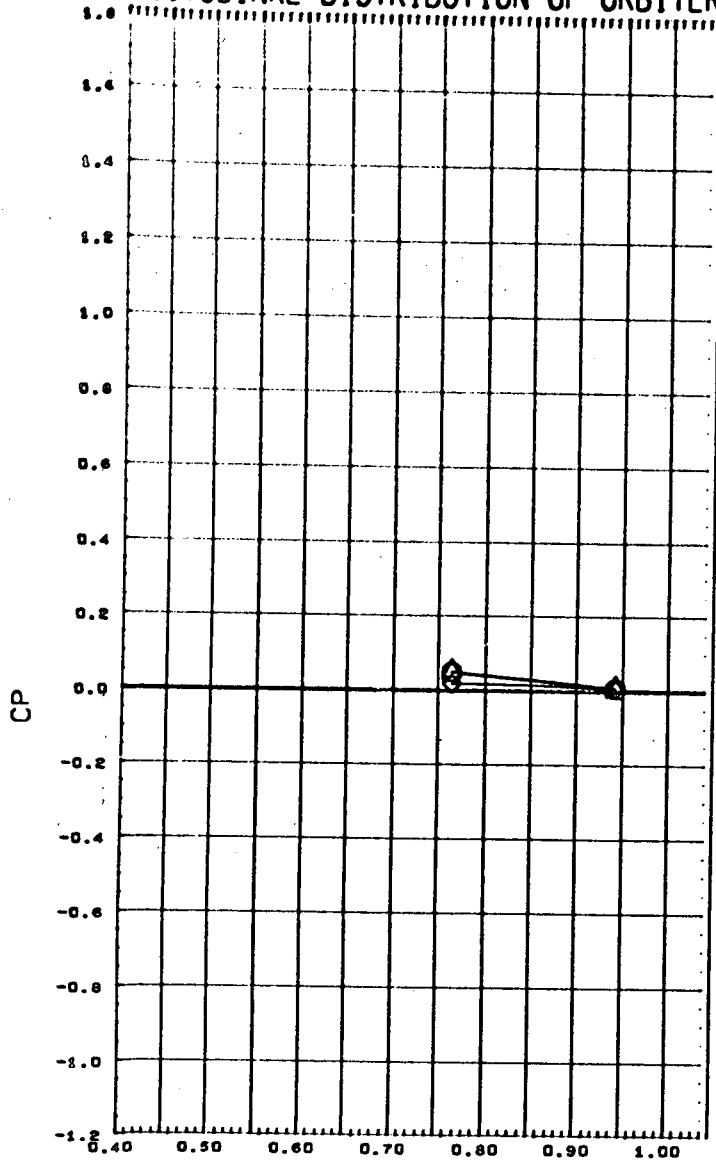


SYMBOL	BETA	Y/B	X/L
○	3.711	0.230	0.901
△	0.038	0.399	
◇	3.785		

PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.711	0.568	0.901
△	0.038	0.738	
◇	3.785		

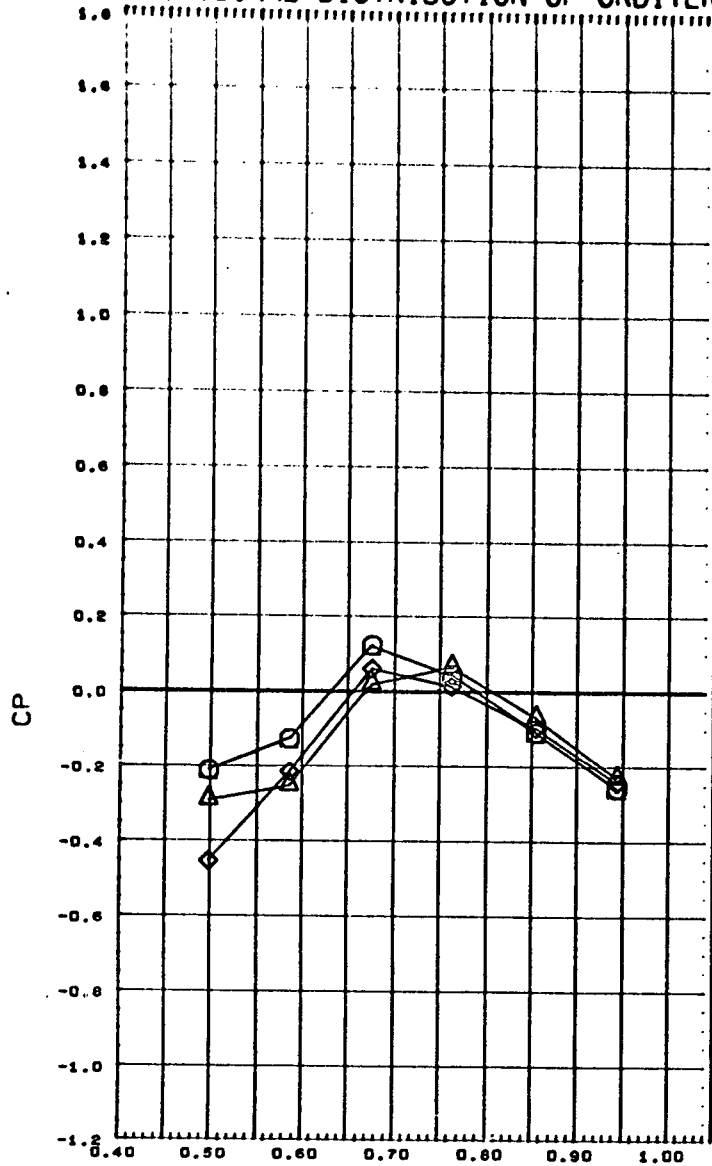
X/L		
PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

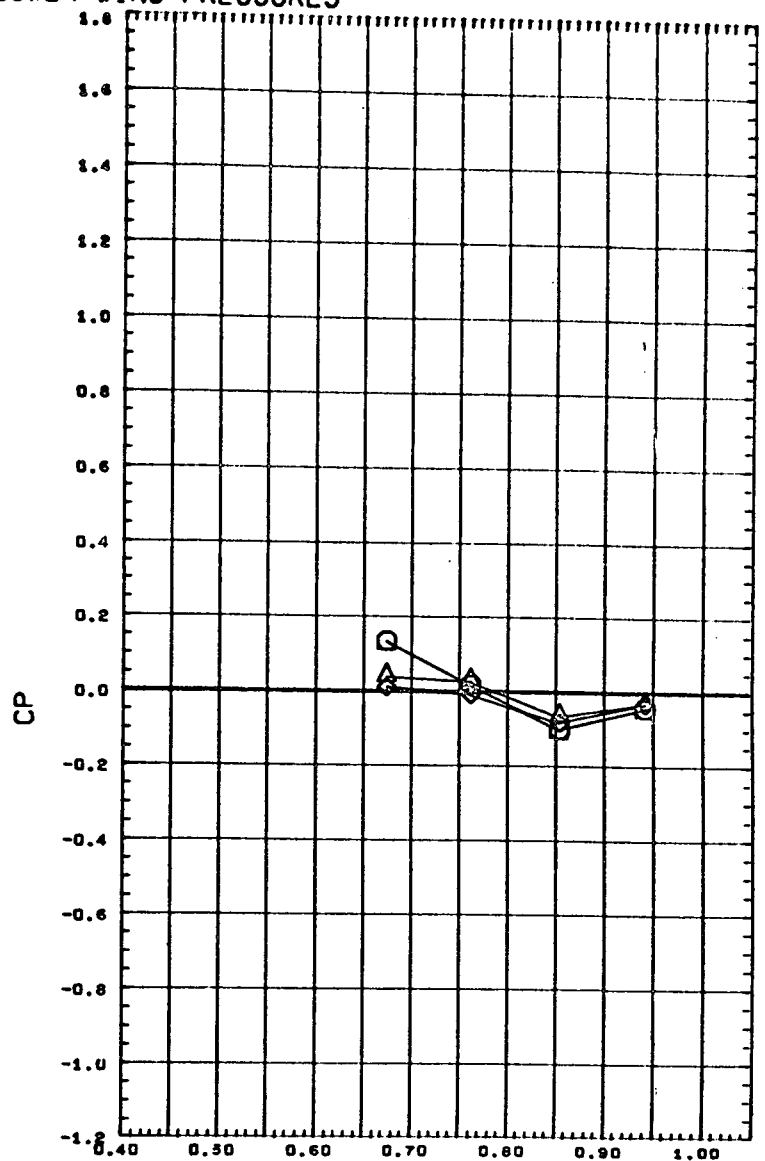


X/L

SYMBOL	BETA	Y/B	M1
○	3.742	0.230	1.002
△	0.036	0.399	
◇	3.842		

REFERENCE FILE

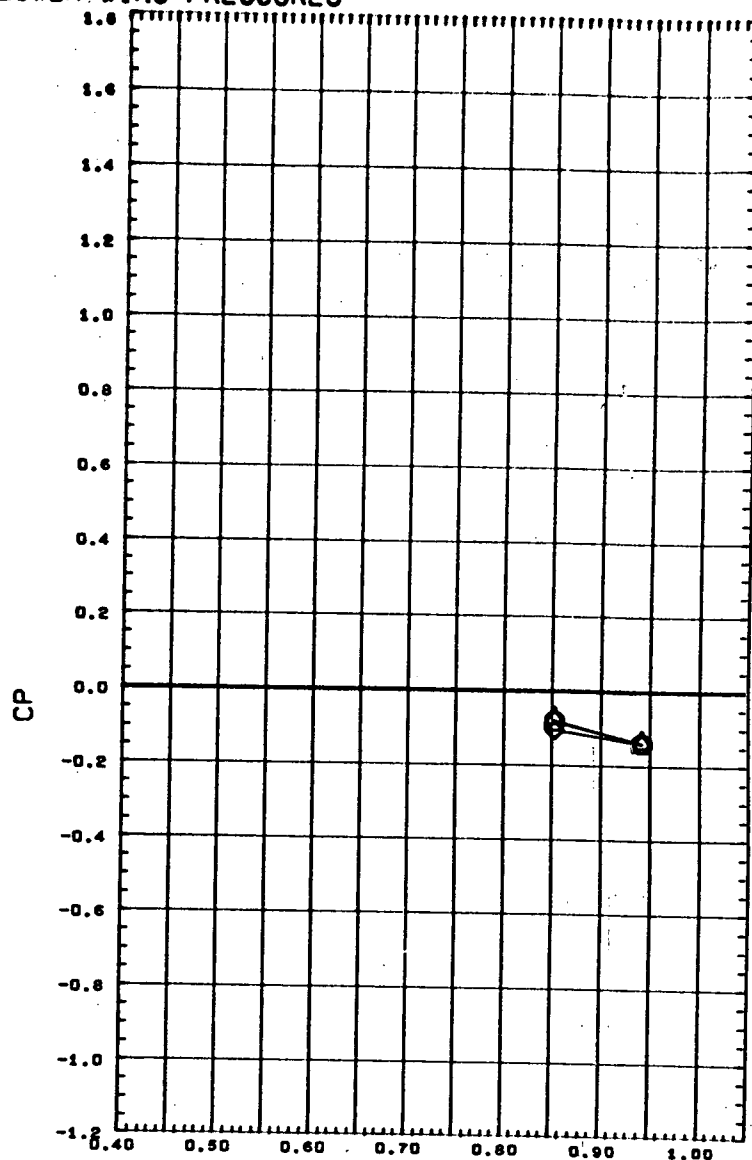
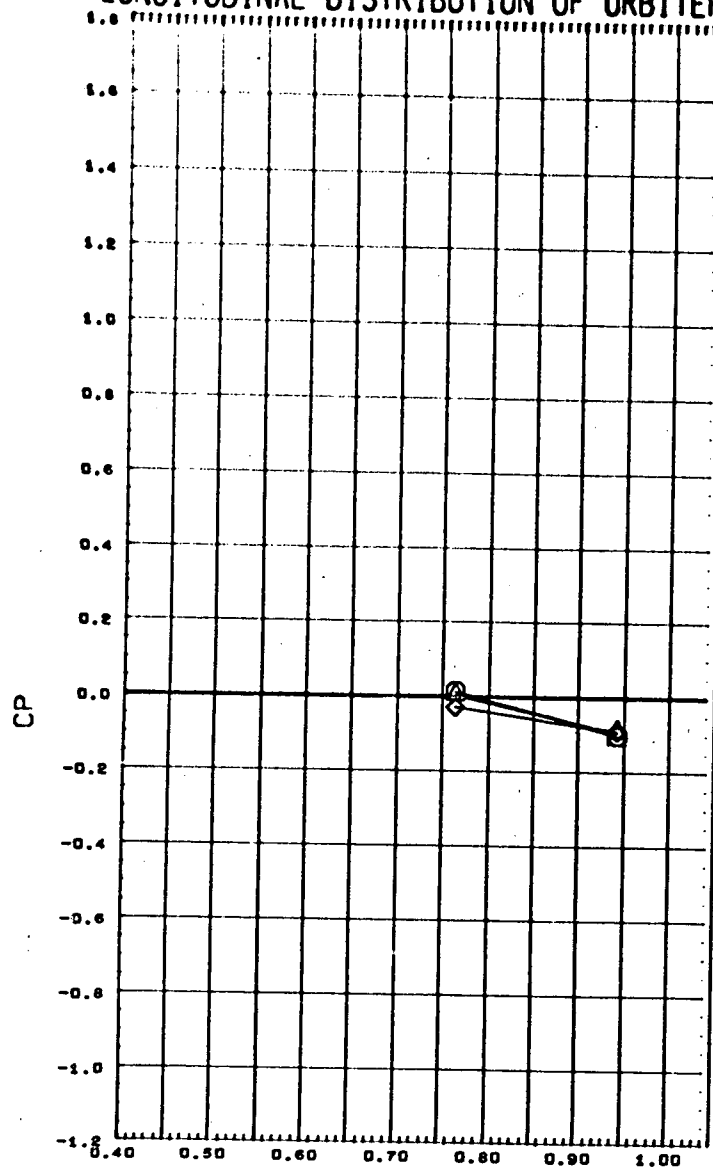
AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)



X/L

PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.742	0.568	1.002
△	0.036	0.738	
◇	3.842		

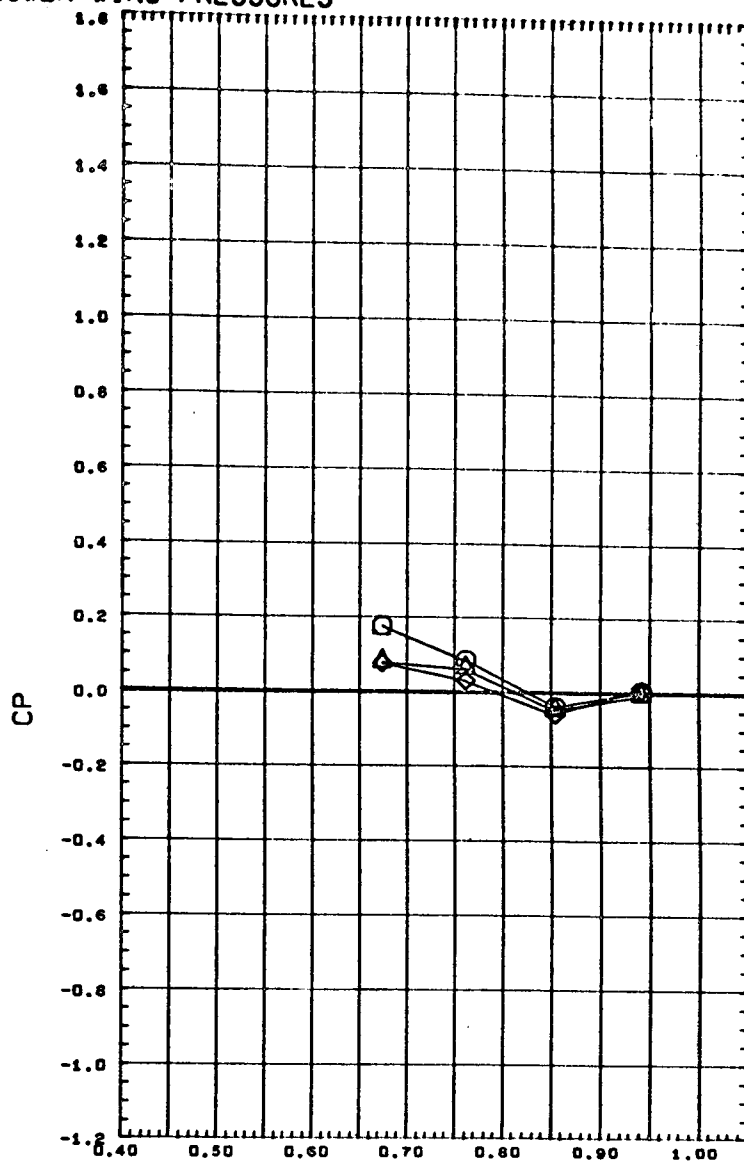
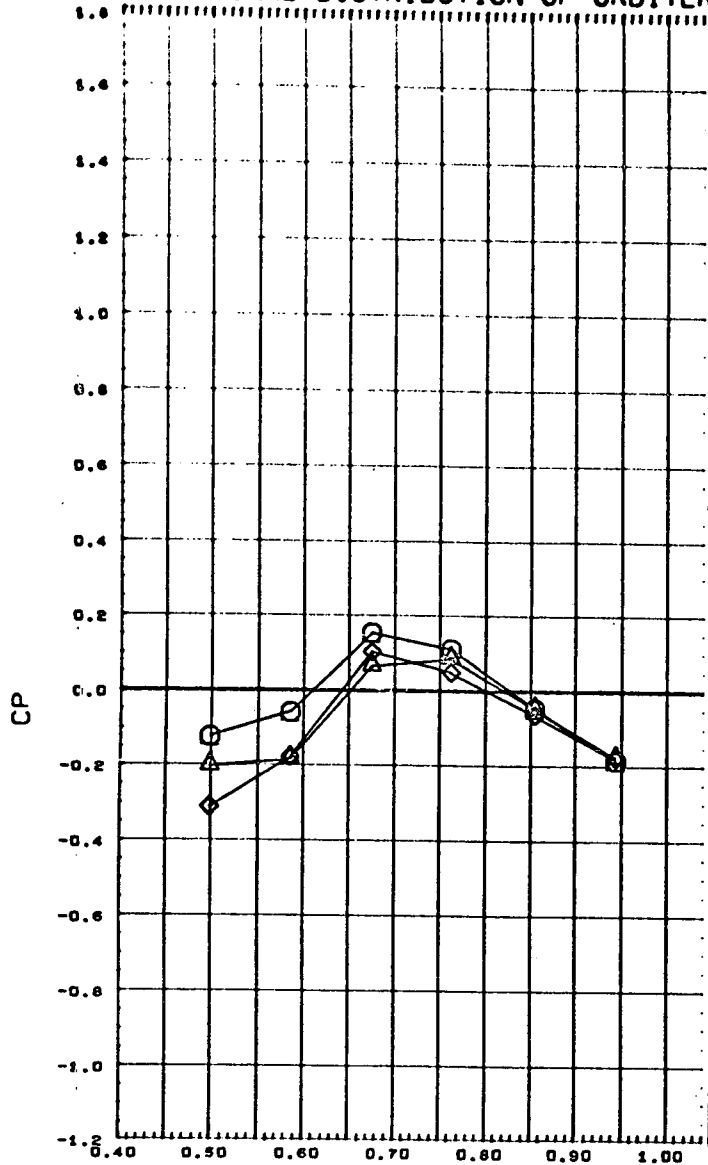
X/L	PARAMETRIC VALUES
ALFB	6.000
1	0.000
DX/L	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

PAGE 219

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

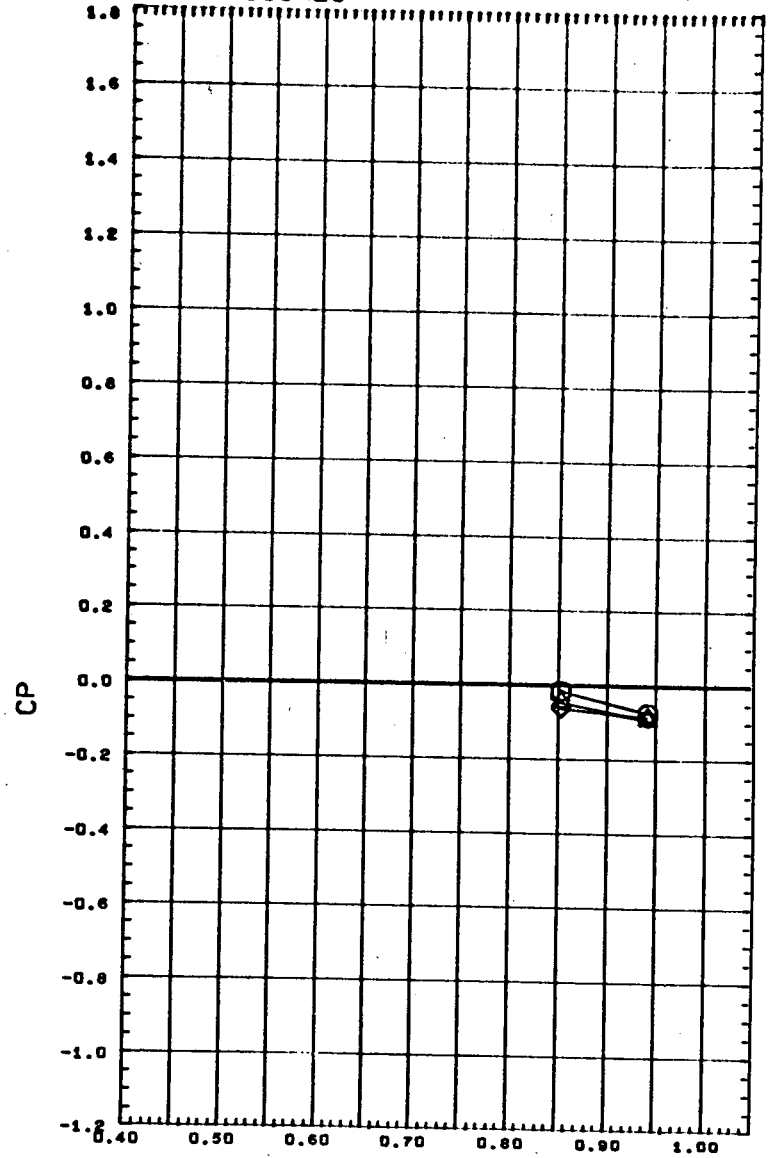
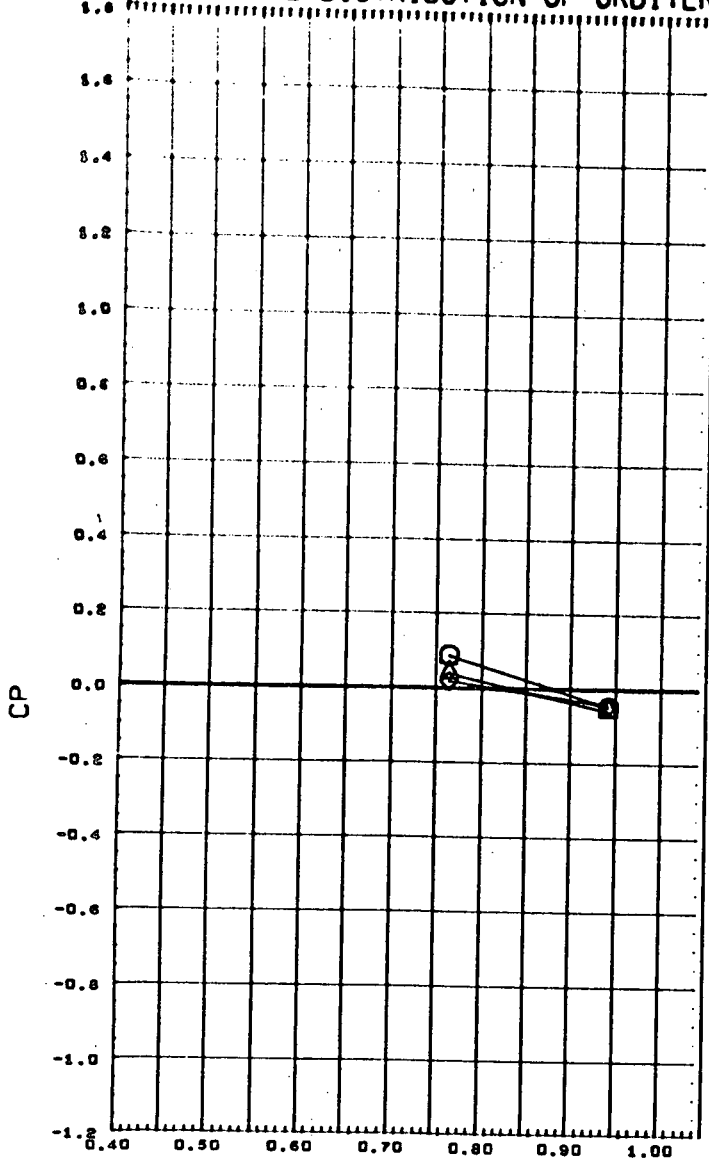


X/L			
SYMBOL	BETA	Y/B	M1
○	3.747	0.230	1.100
△	0.027	0.399	
◇	3.836		

X/L		
PARAMETRIC VALUES		
ALFR	6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	X/L	M1
○	5.747	0.568		1.100
△	0.027	0.738		
◇	3.836			

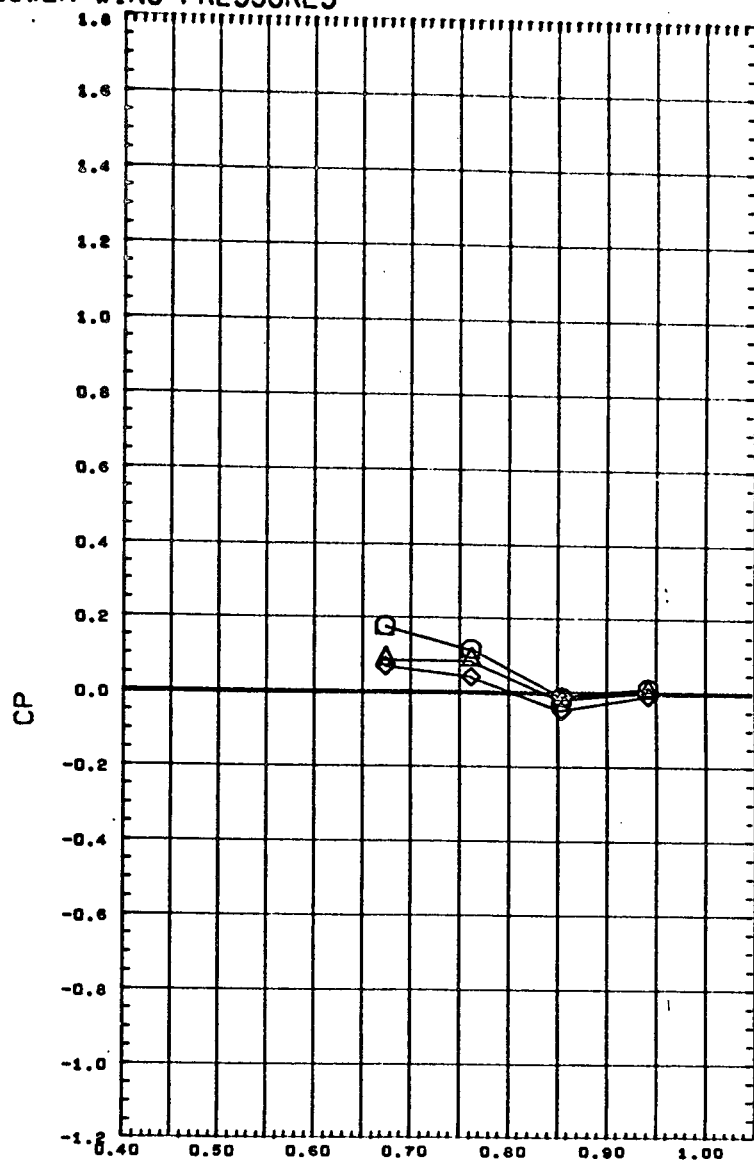
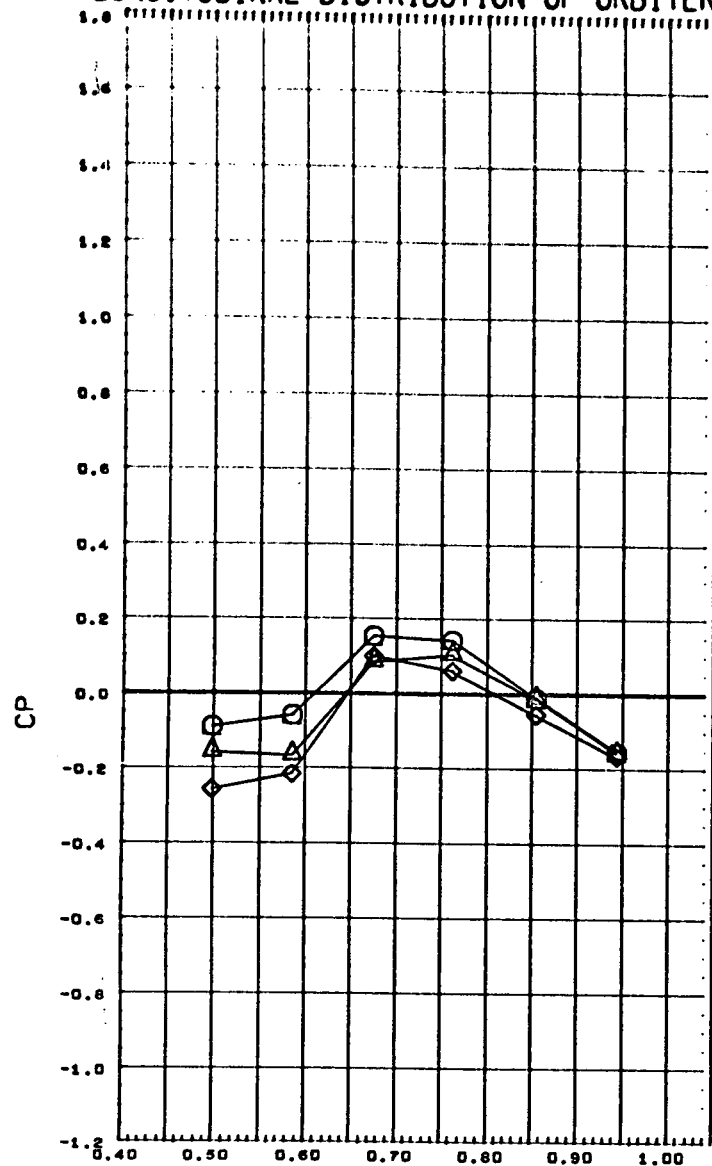
ALFB	PARAMETRIC VALUES	DX/L	
I	6.000	0.036	
	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.783	0.230	1.201
△	0.017	0.399	
◇	3.843		

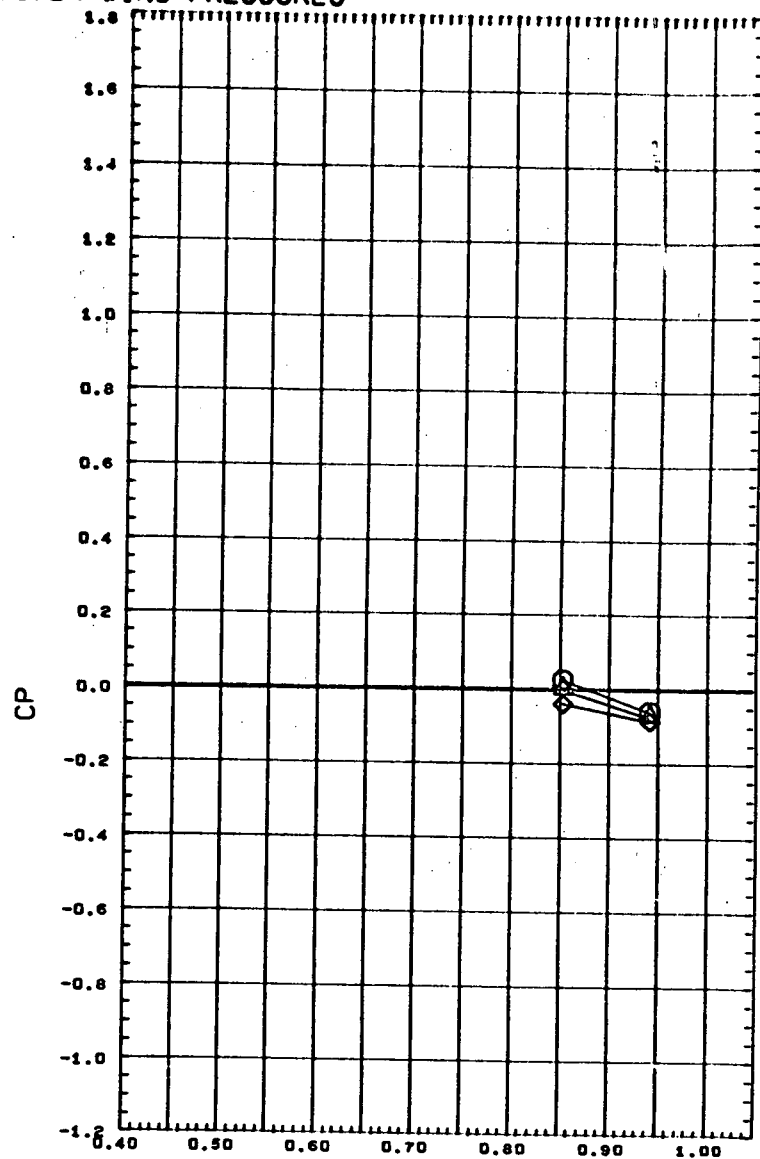
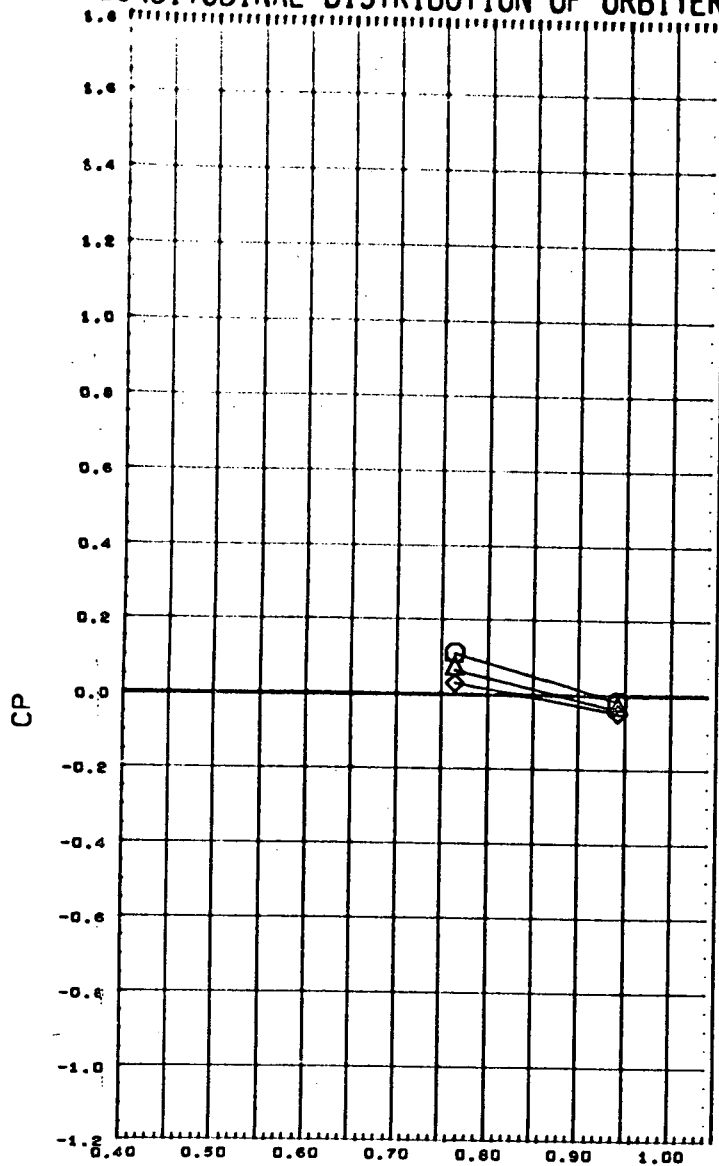
X/L			
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

PAGE 222

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.783	0.568	1.201
△	0.017	0.738	
◇	3.843		

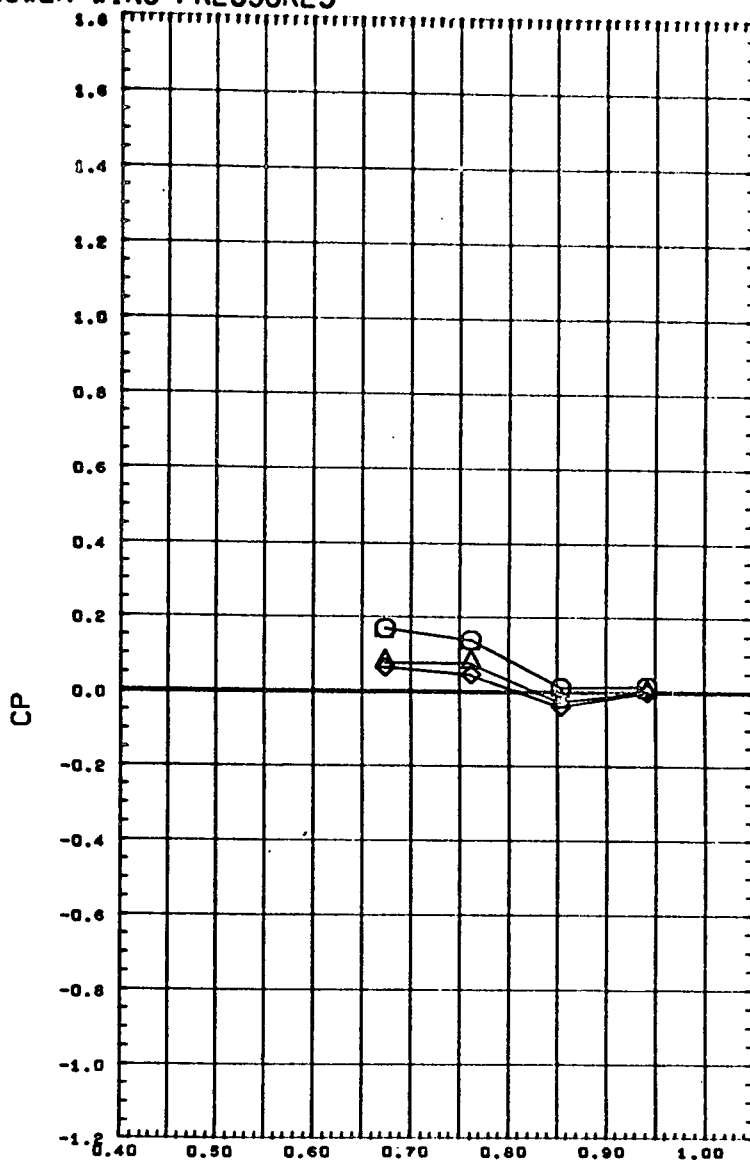
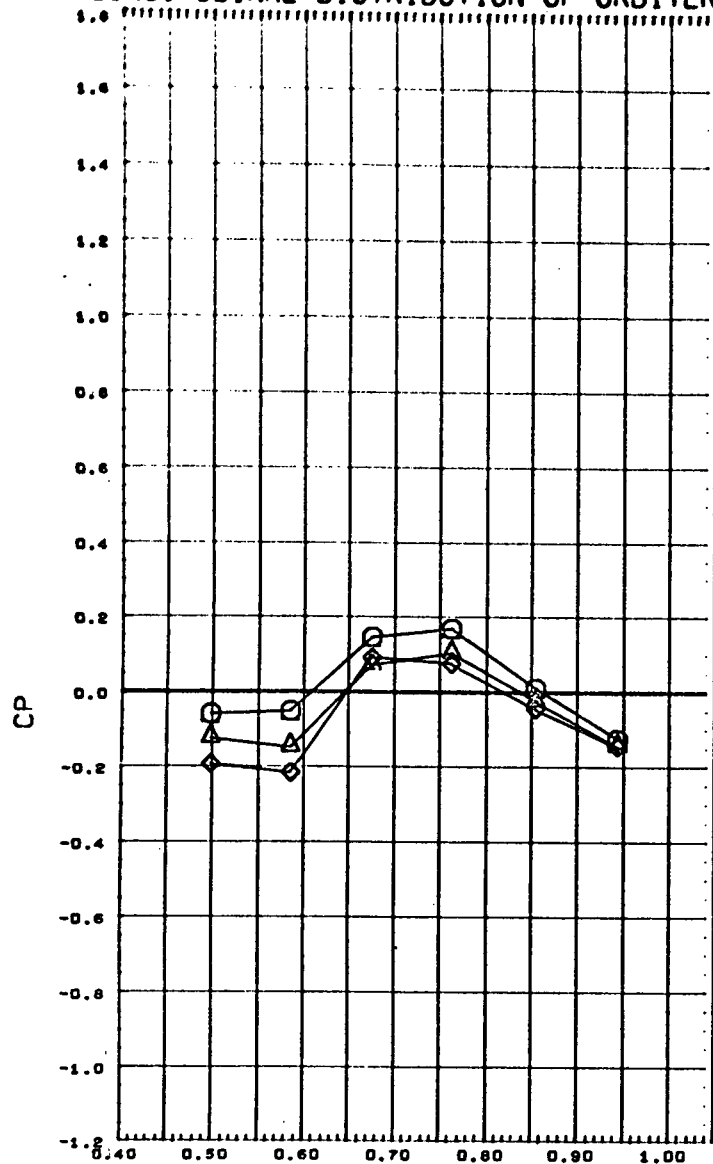
X/L		
PARAMETRIC VALUES		
ALFB	6.000	0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

PAGE 223

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

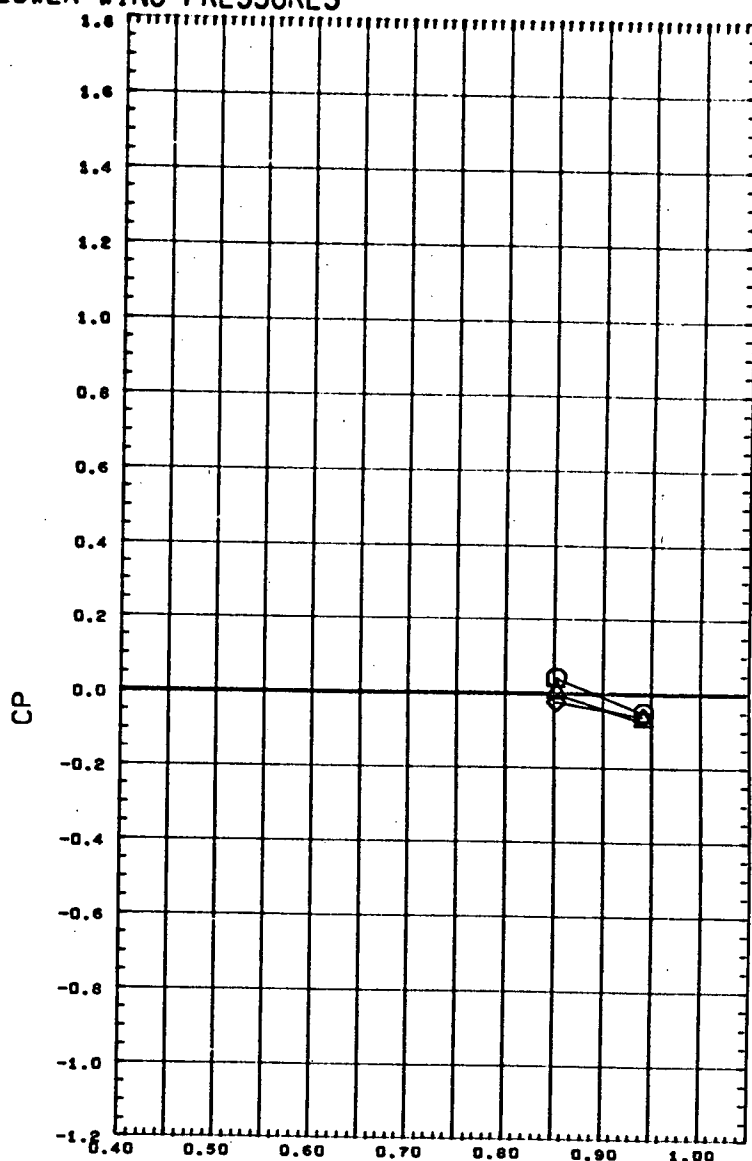
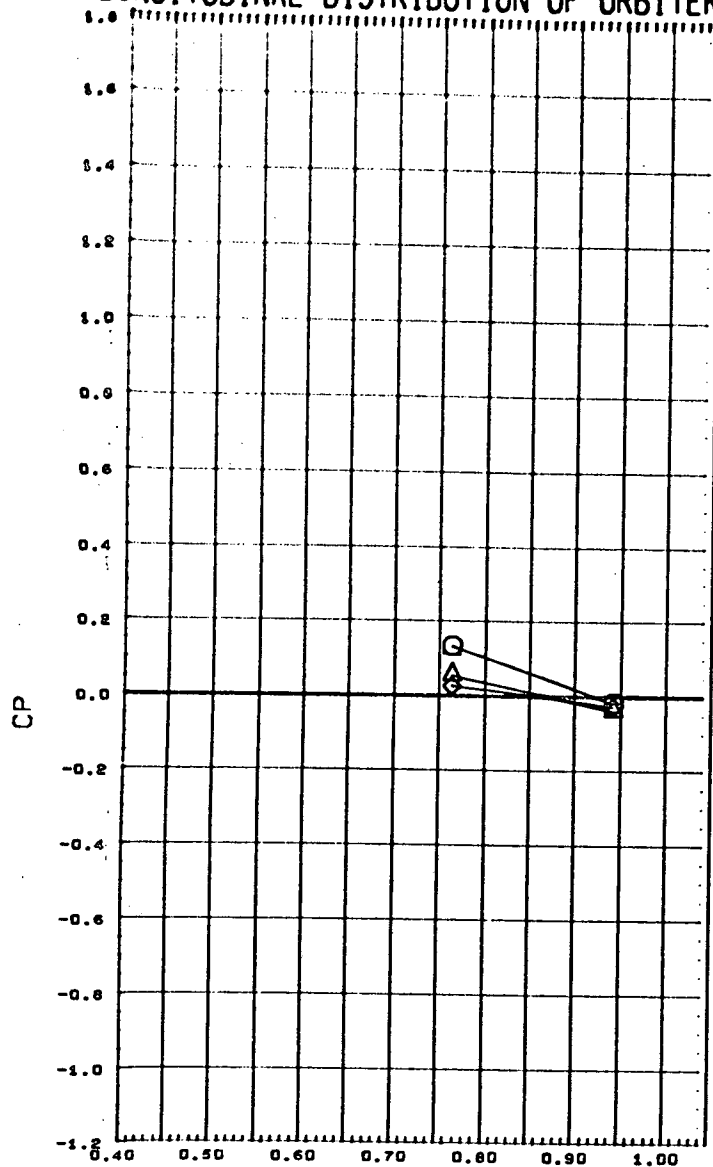


X/L			
SYMBOL	BETA	Y/B	M1
○	3.787	0.230	1.299
△	0.024	0.399	
◇	3.837		

X/L			
PARAMETRIC VALUES			
ALFB	6.000	OX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.787	0.568	1.299
△	0.024	0.738	
◇	3.637		

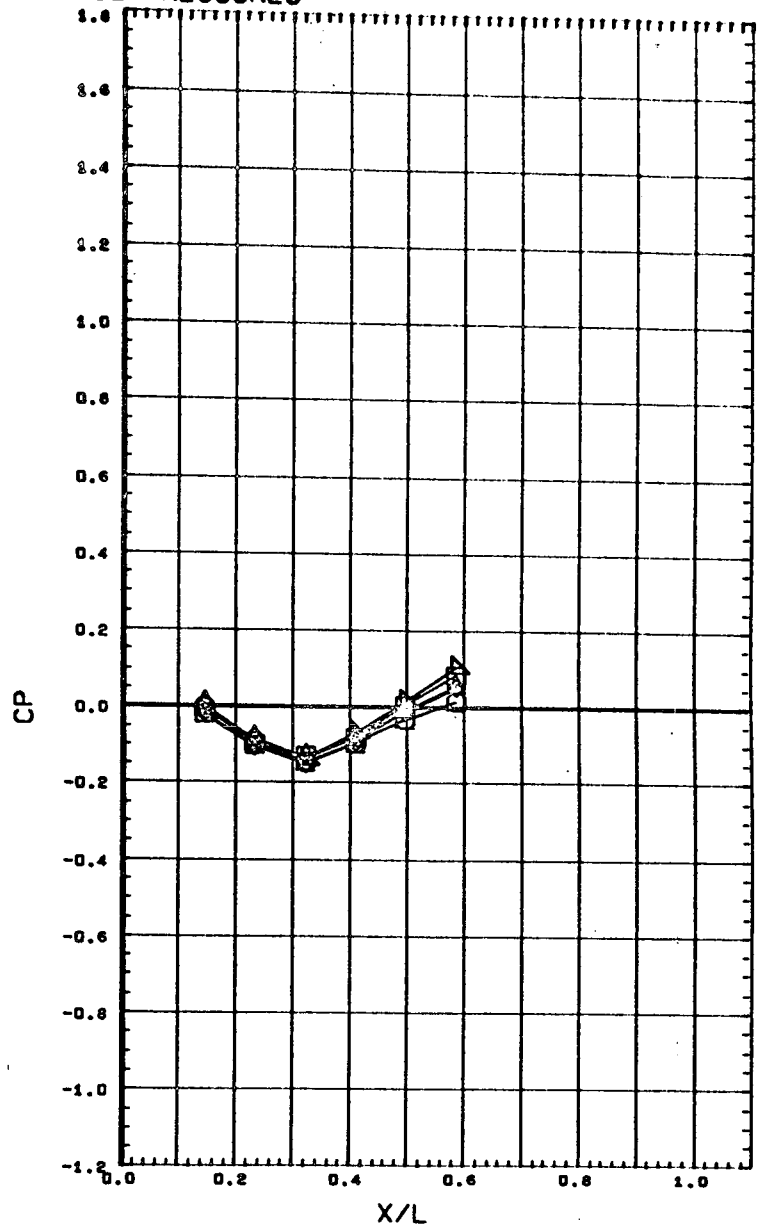
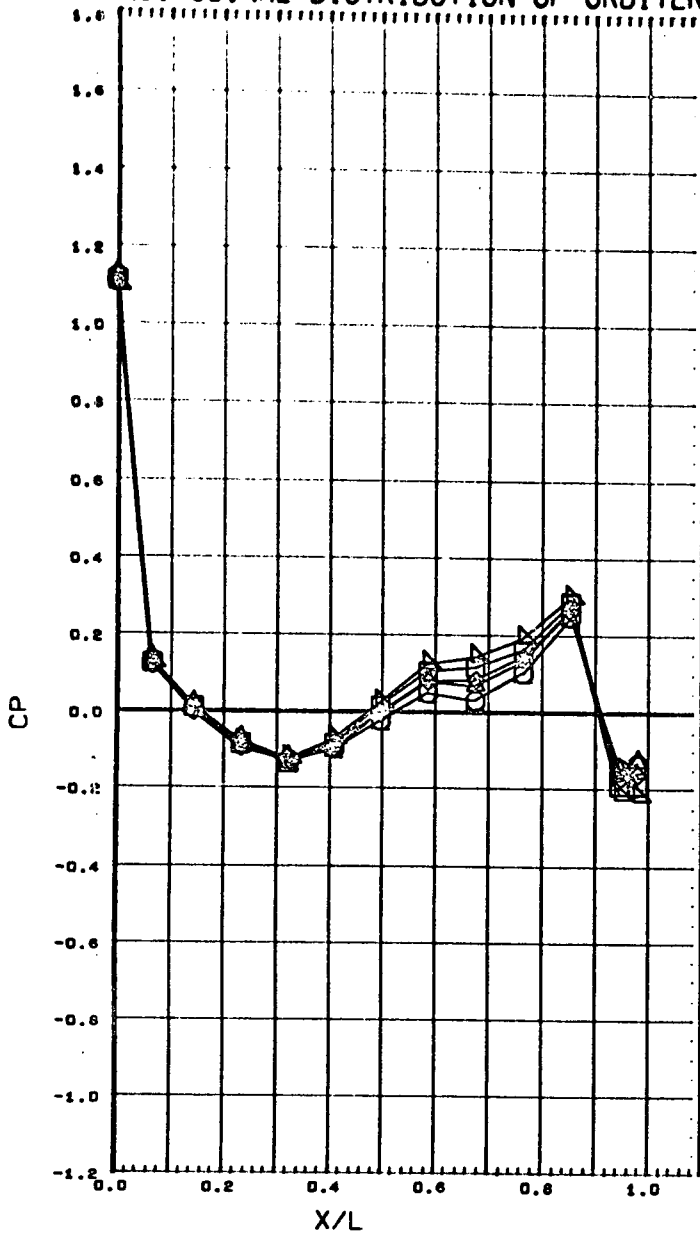
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

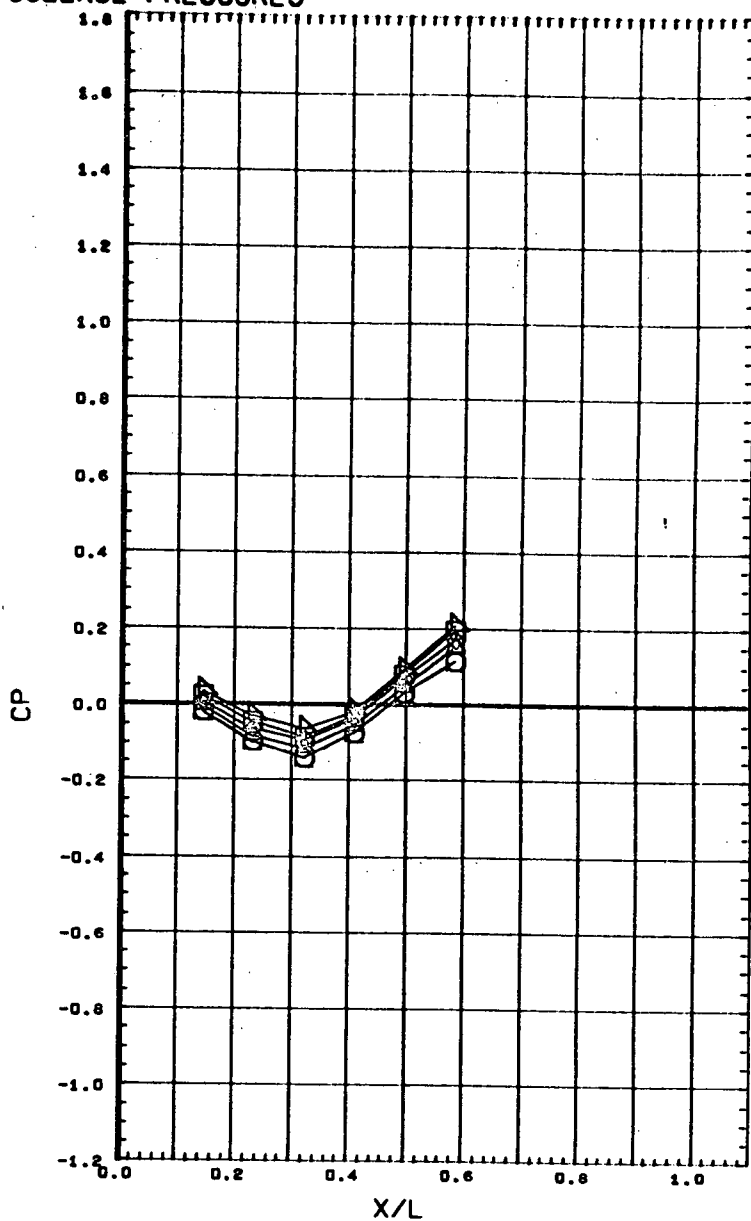
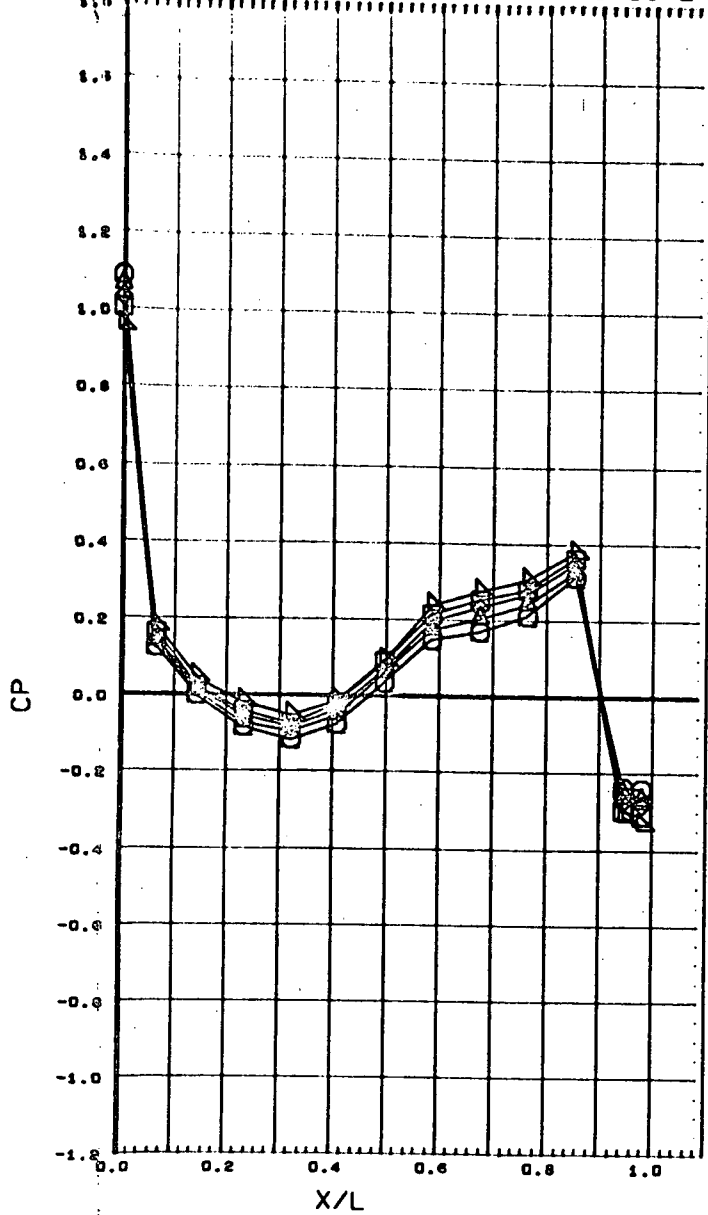


SYMBOL	ALFB	Y/B	M1
○	- 8.148	0.000	0.601
◇	- 6.084	0.076	
△	- 4.017		
□	- 1.949		
▽	0.119		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	0.036
I	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

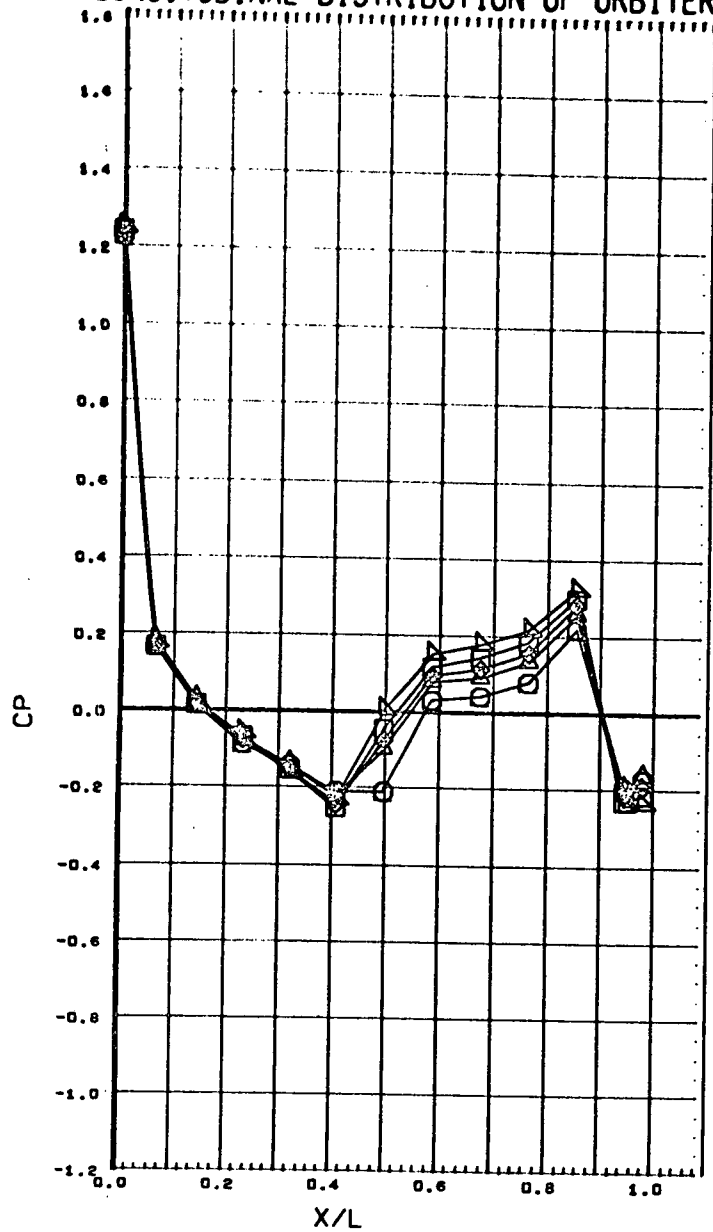


SYMBOL	ALFB	Y/B	M1
○	2.172	0.000	0.601
△	4.250	0.076	
◇	6.291		
□	8.362		
▽	10.431		

REFERENCE FILE

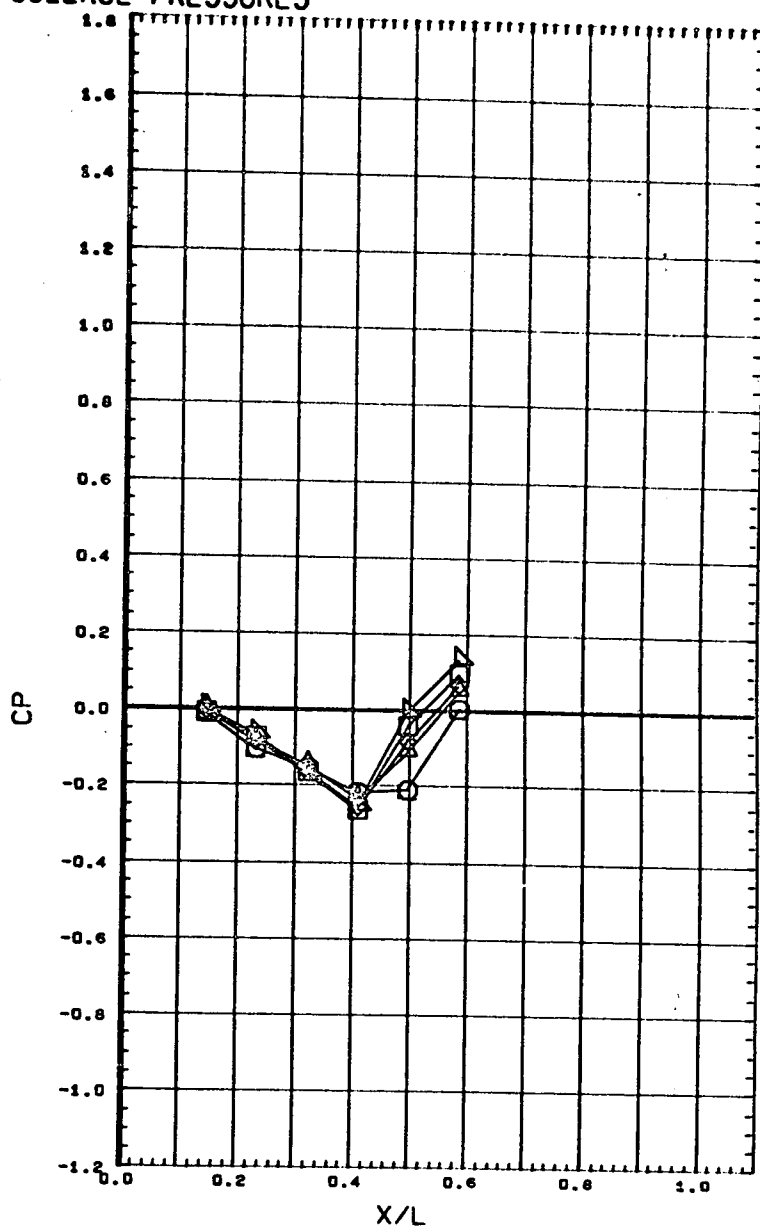
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



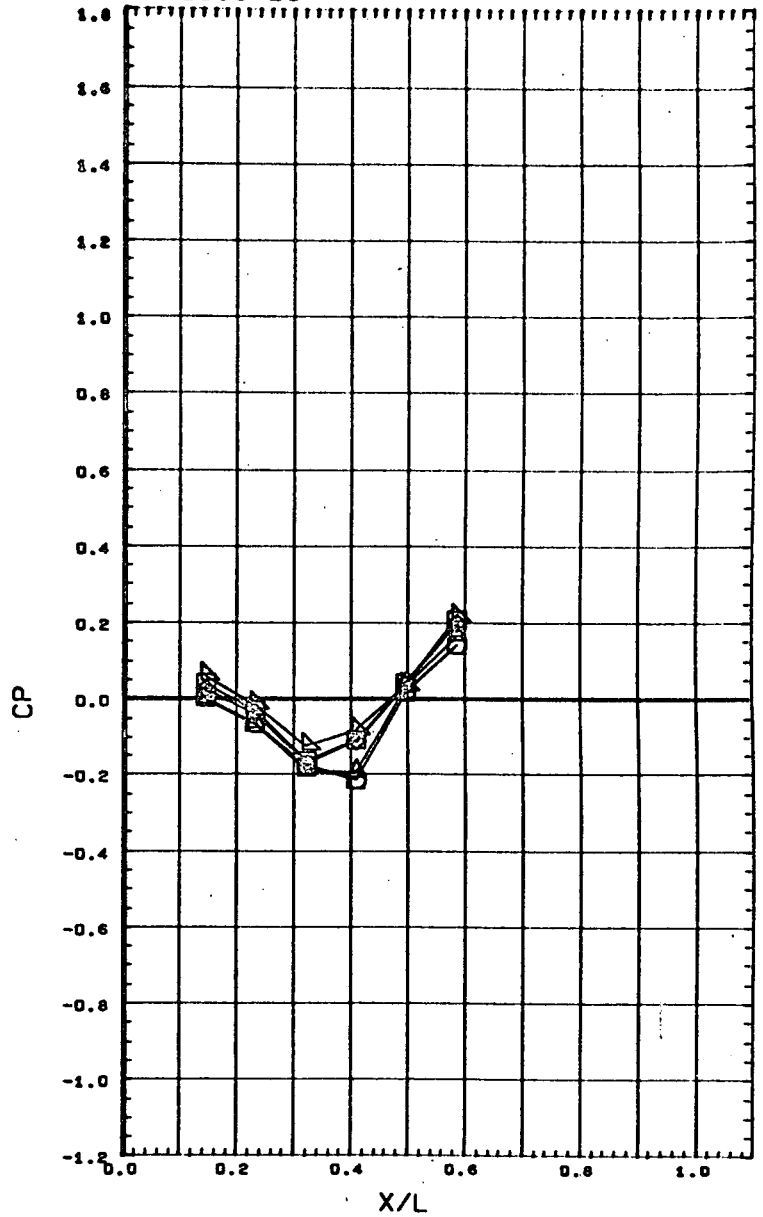
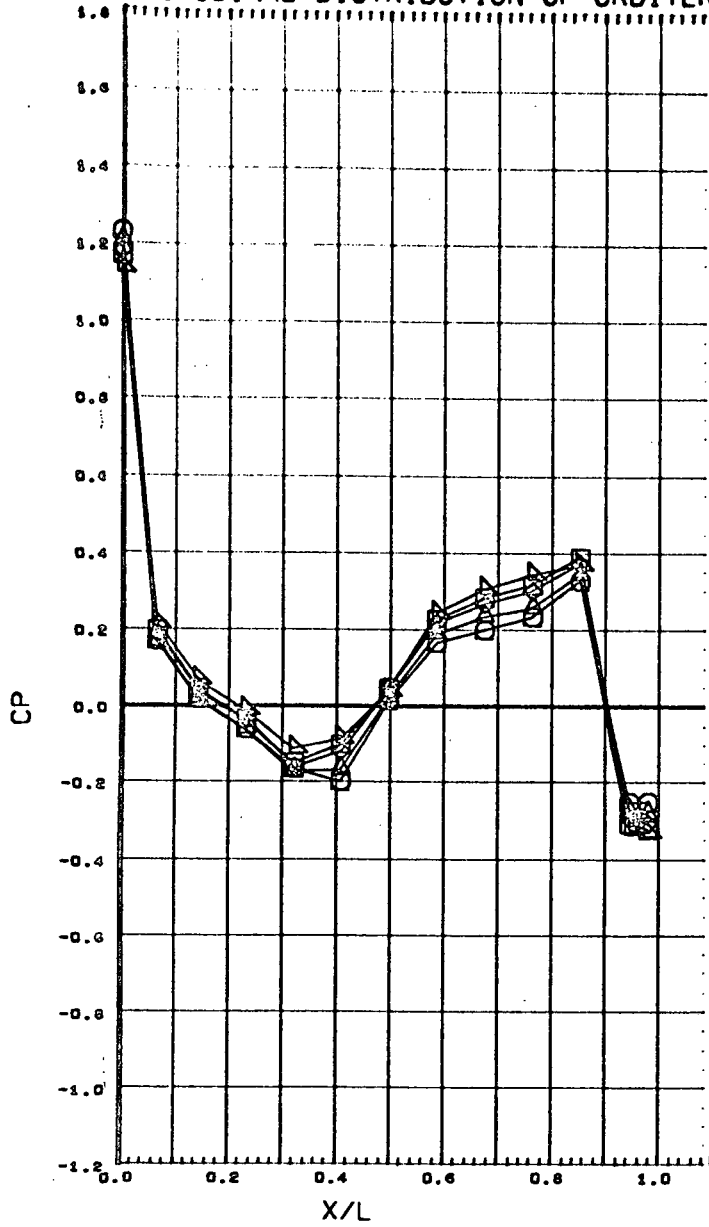
SYMBOL	ALFB	Y/B	M1
○	- 8.279	0.000	0.903
△	- 5.812	0.076	
◇	- 3.826		
□	- 1.834		
▽	0.163		

REFERENCE FILE



PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

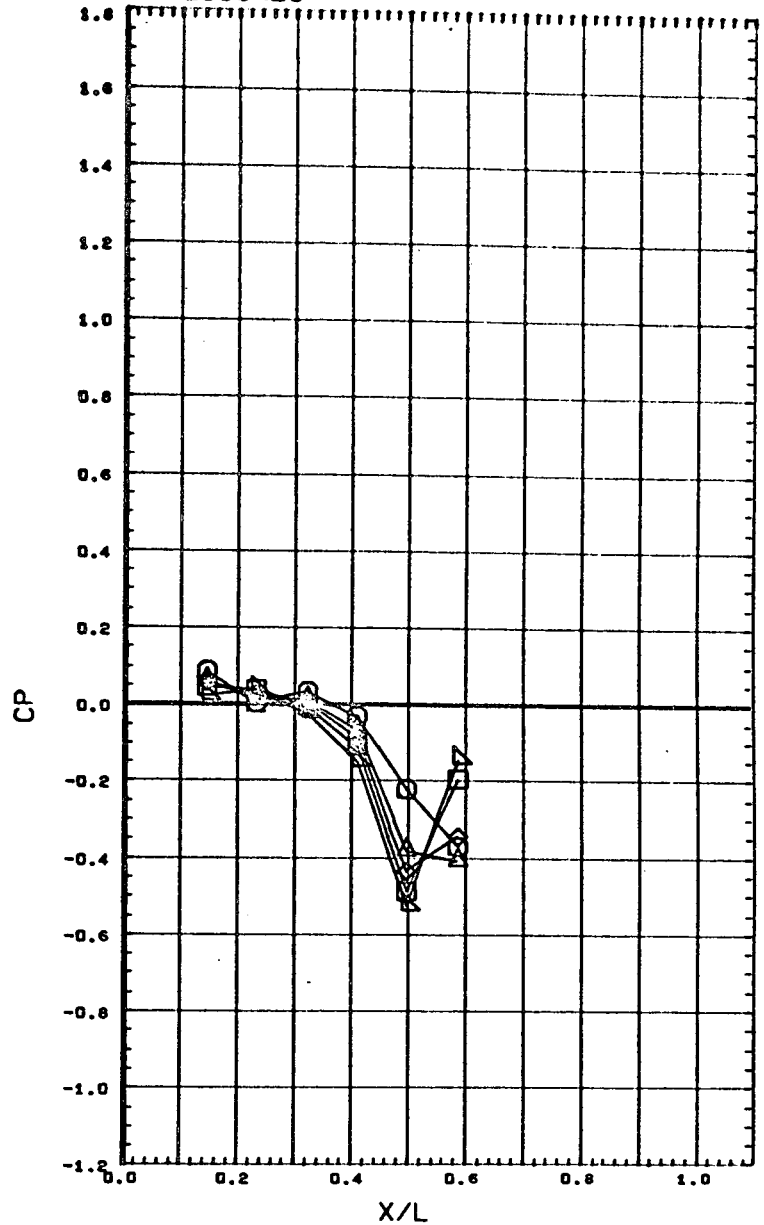
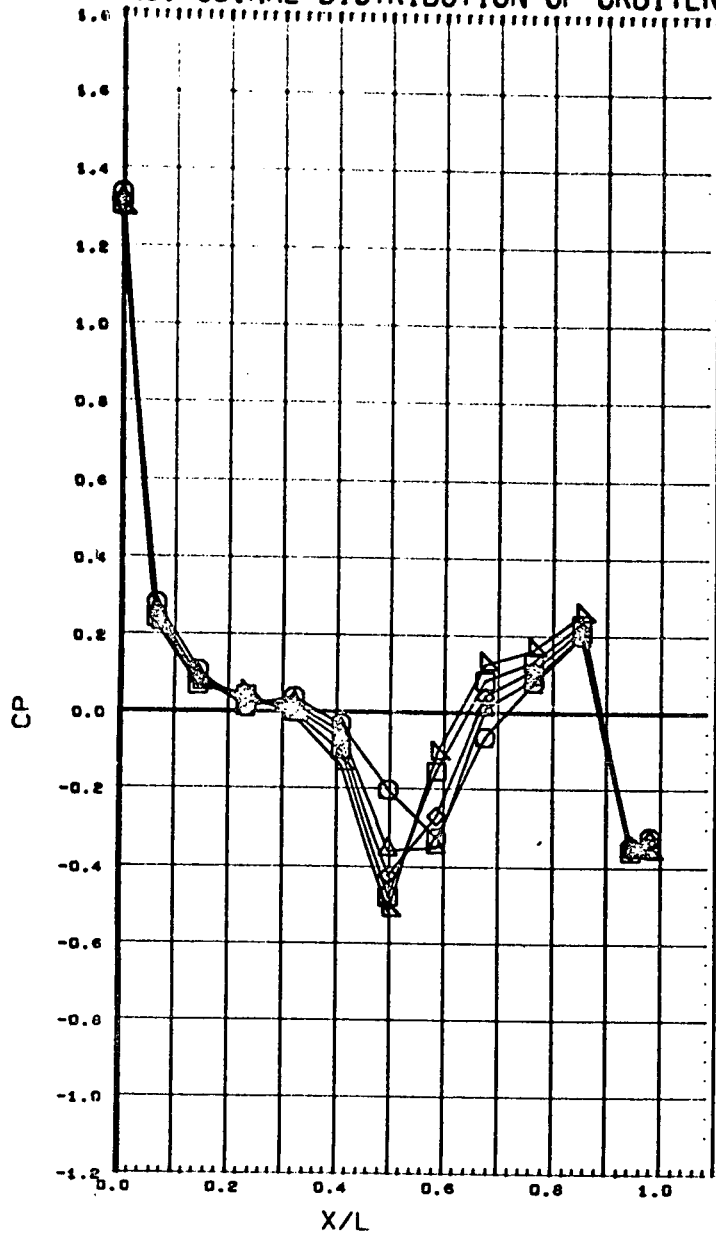


SYMBOL	ALFB	Y/B	M1
○	1.553	0.000	0.903
△	3.751	0.076	
◇	6.149		
□	7.558		
◻	10.169		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
1	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

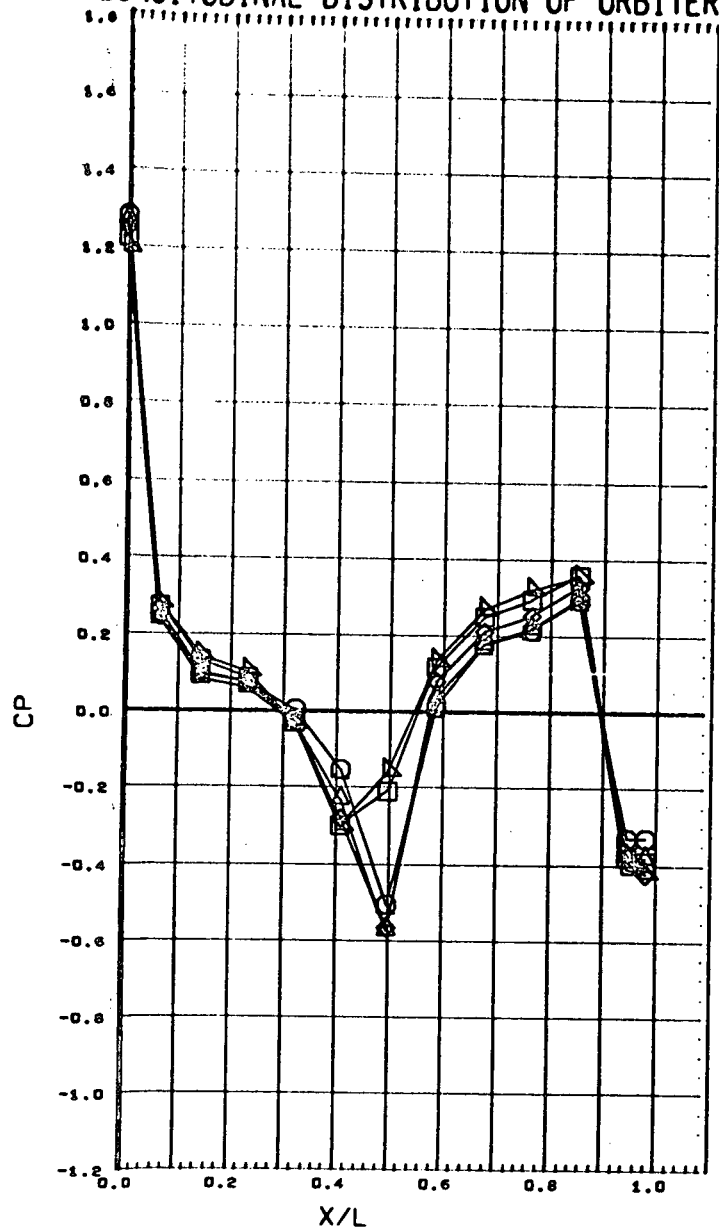


SYMBOL	ALFB	Y/B	M1
○	- 7.909	0.000	1.004
△	- 5.810	0.076	
◇	- 4.434		
□	- 2.210		
▽	0.226		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

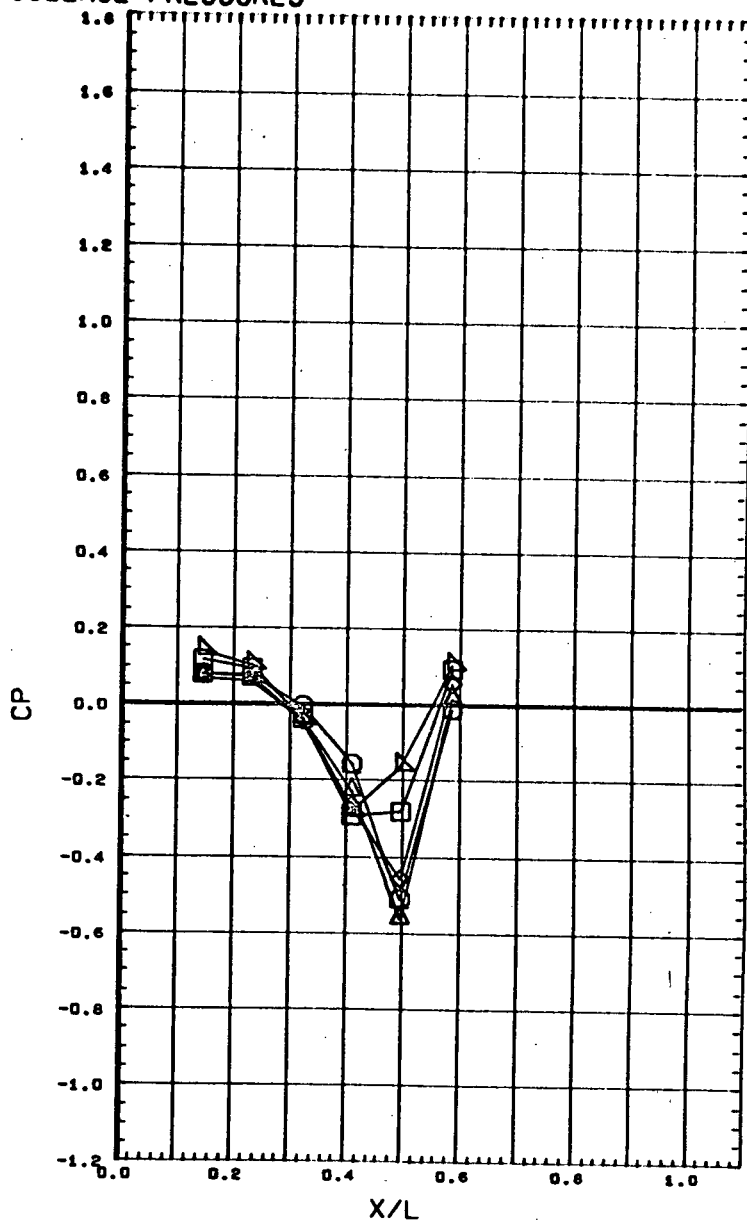
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.167	0.000	1.004
◇	4.154	0.076	
△	6.134		
□	8.144		
+	10.153		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

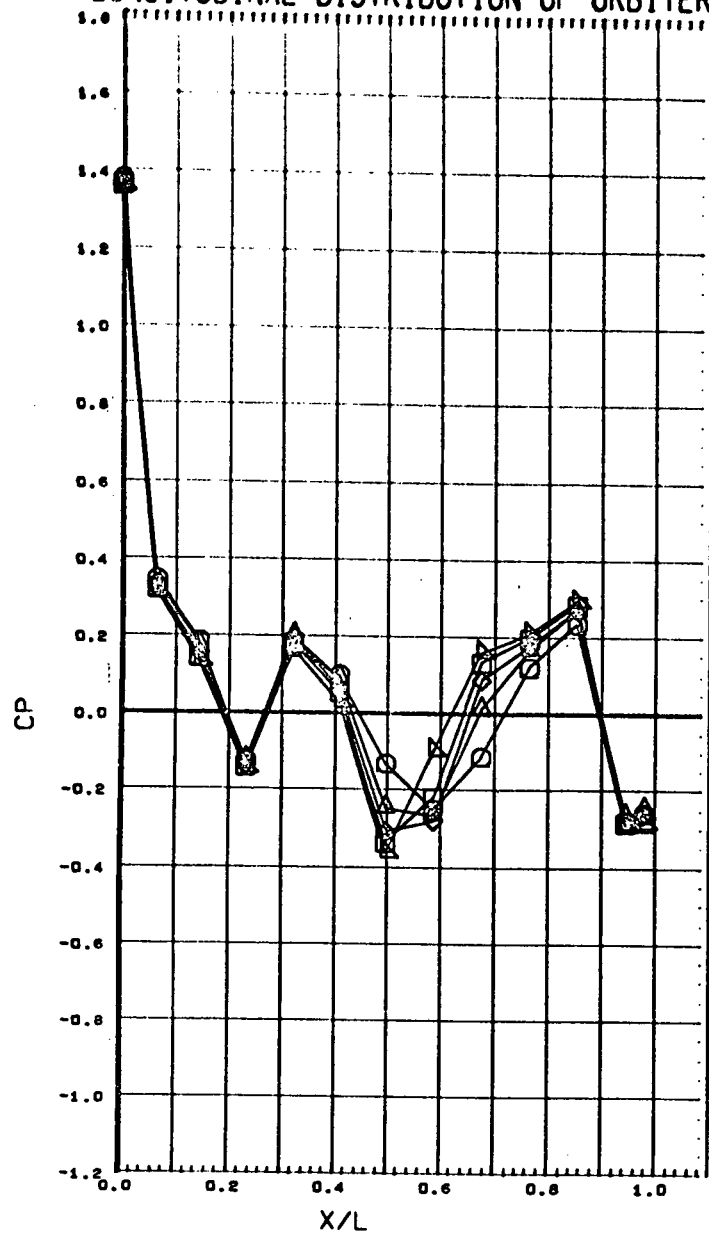


BETA	PARAMETRIC VALUES	DX/L	
0.000			
1.900			

(FTC009)

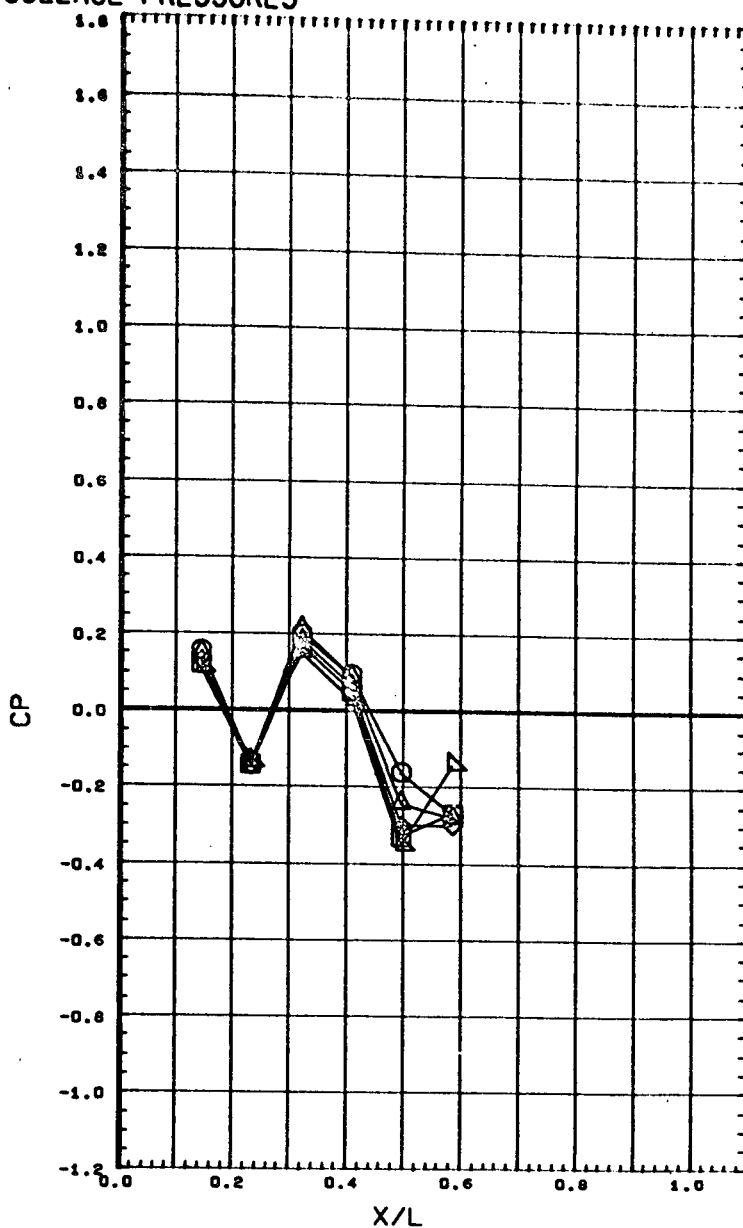
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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



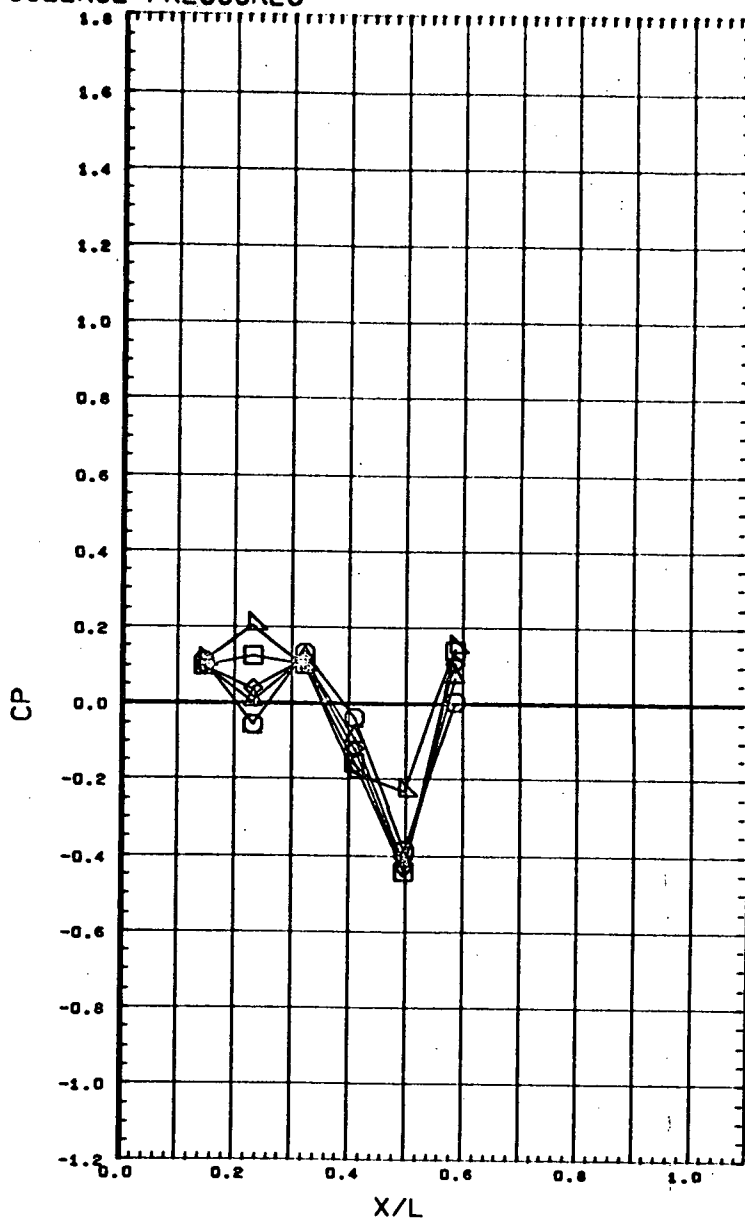
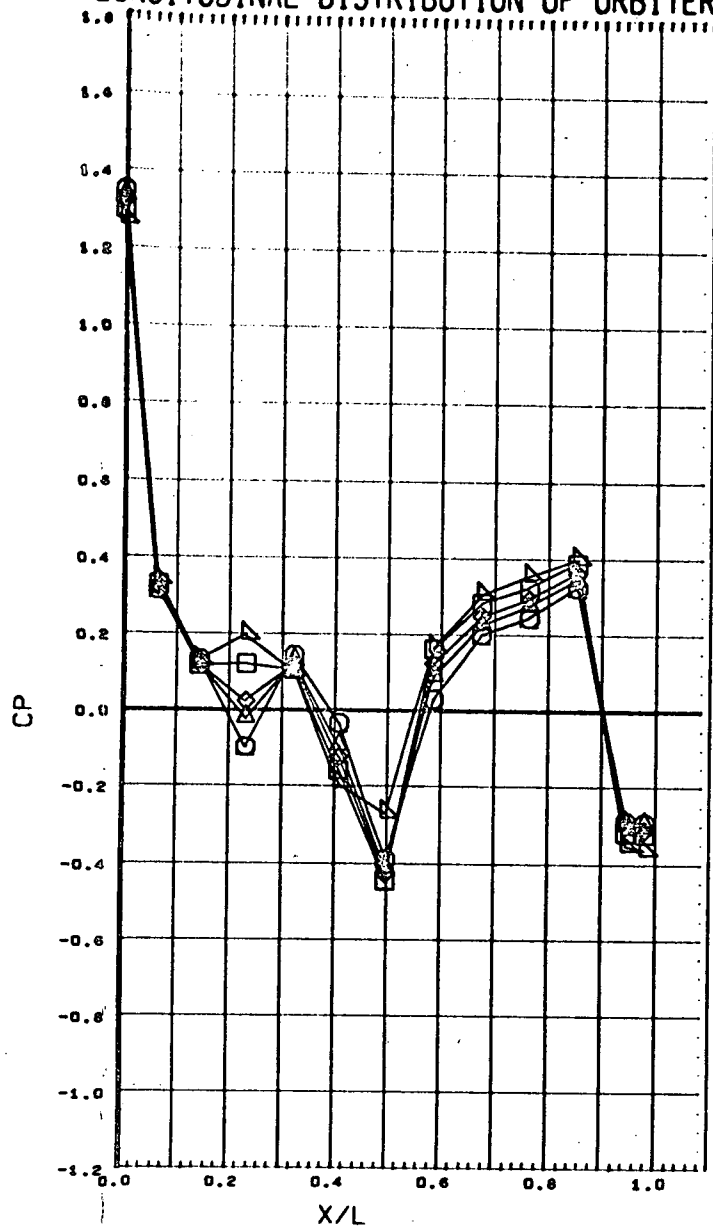
SYMBOL	ALFB	Y/B	M1
○	- 7.920	0.000	1.100
△	- 5.768	0.076	
◇	- 3.810		
□	- 1.812		
▽	- 0.381		

REFERENCE FILE



BETA	PARAMETRIC VALUES	DX/L
I	0.000	0.036
	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

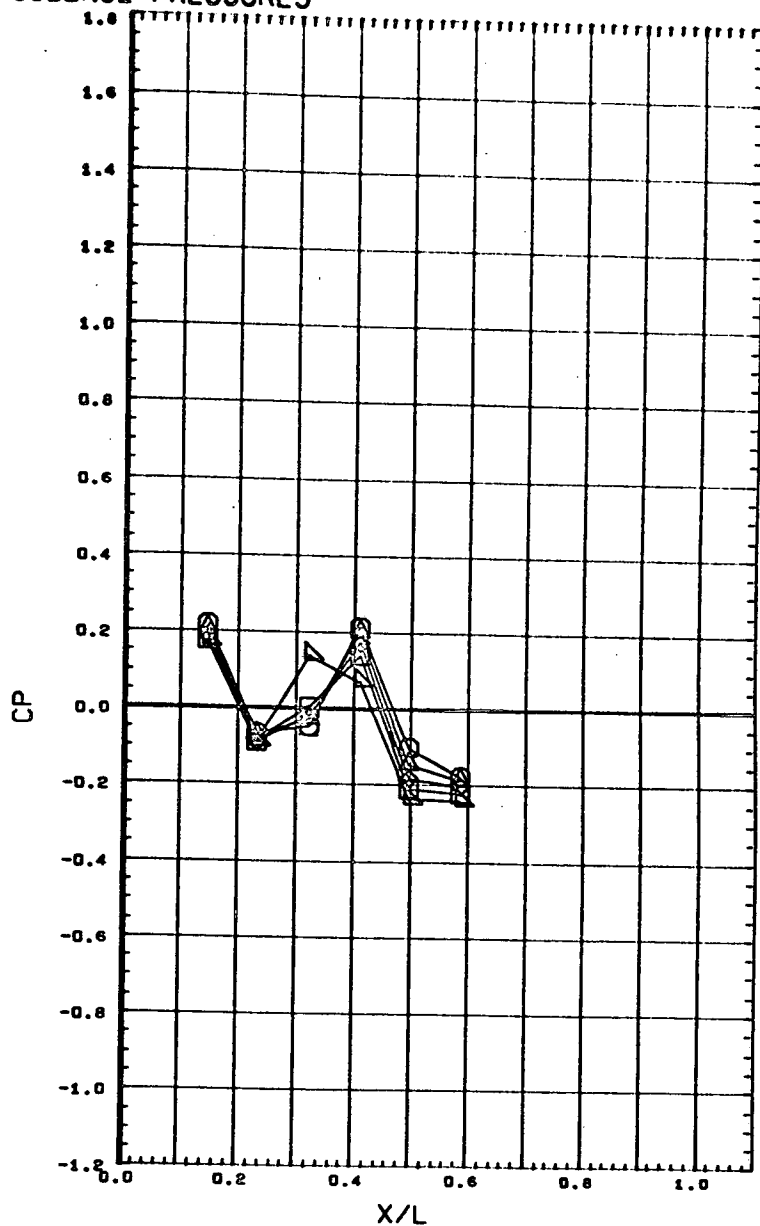
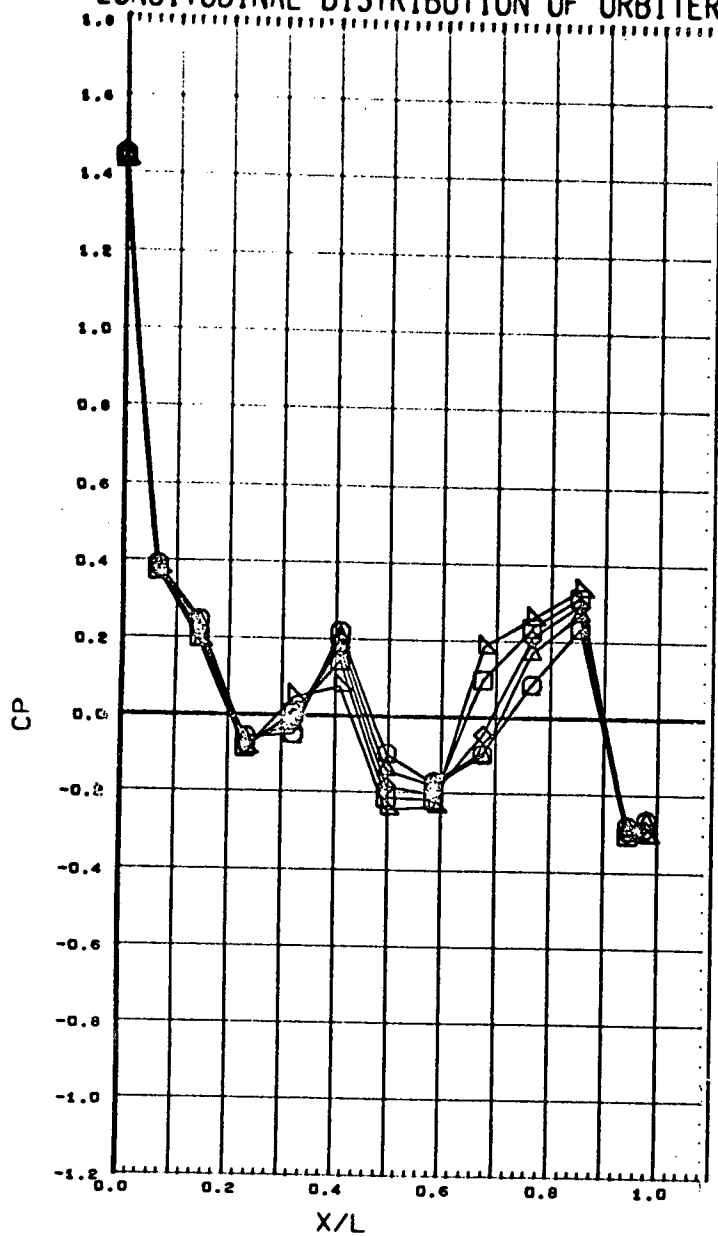


SYMBOL	ALFB	Y/B	M1
○	2.224	0.000	1.100
△	4.163	0.076	
◇	5.535		
□	7.787		
◇	10.190		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	- 7.918	0.000	1.201
△	- 5.800	0.076	
◇	- 3.805		
□	- 1.810		
▽	0.192		

REFERENCE FILE

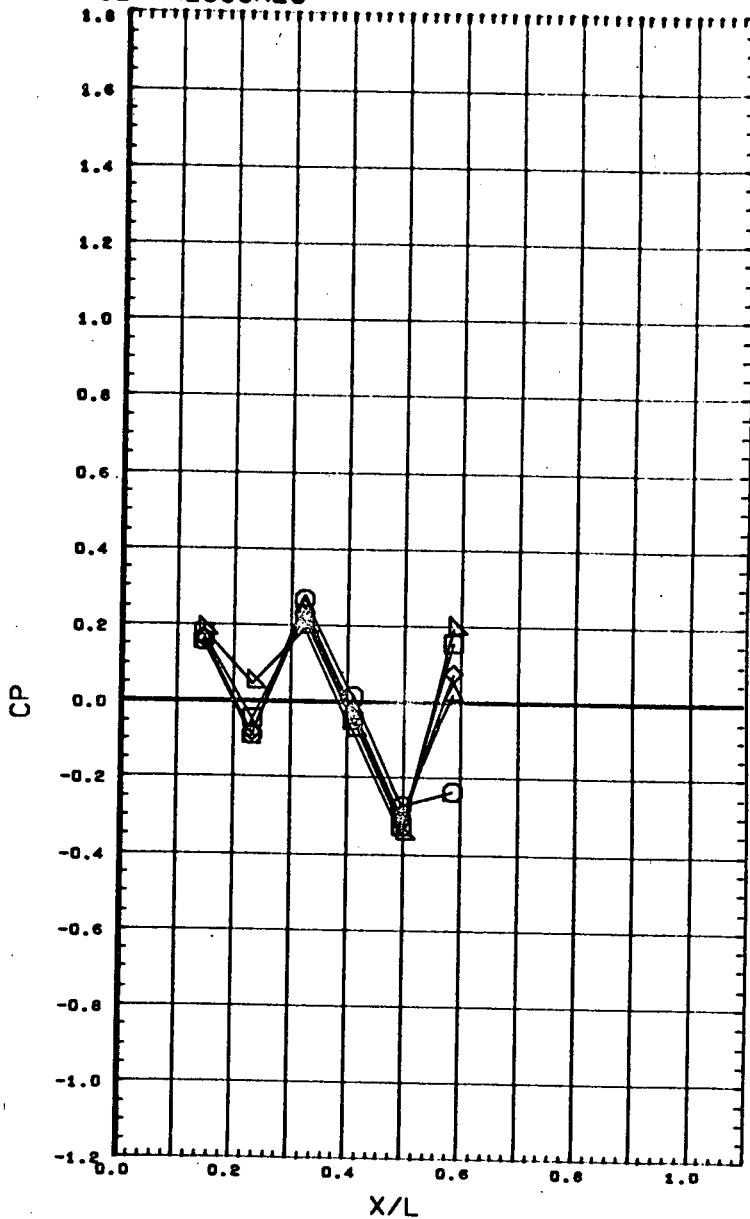
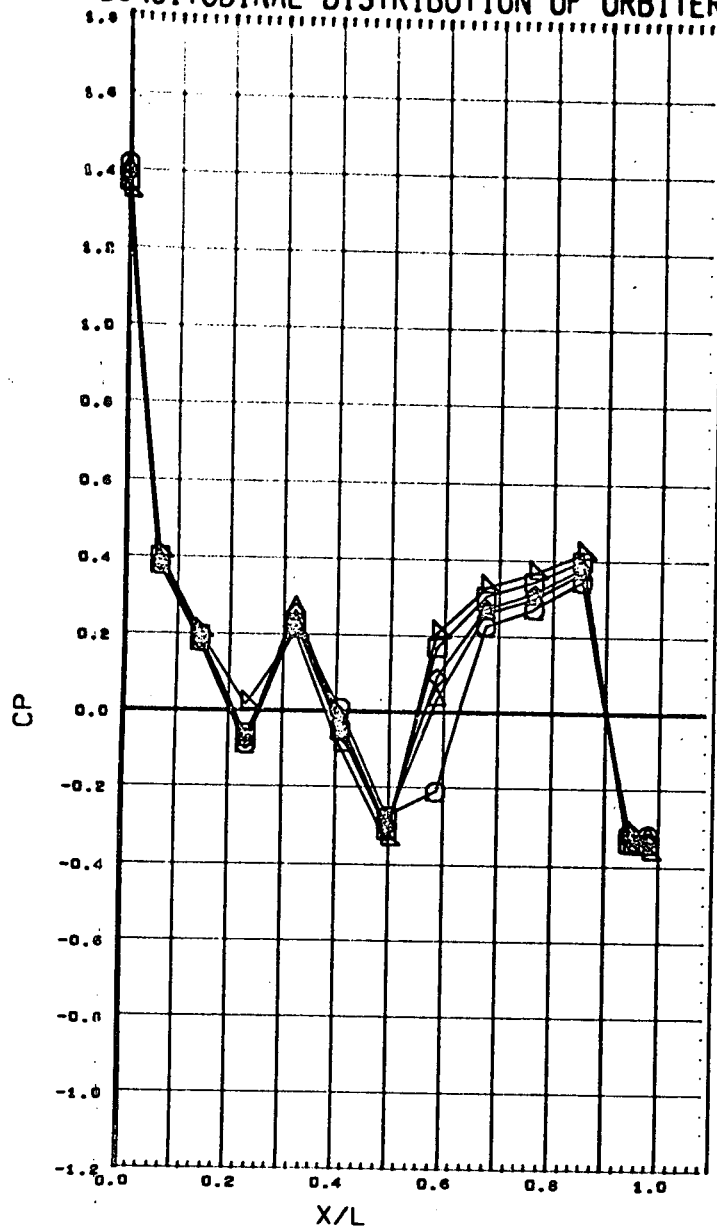
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC009)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

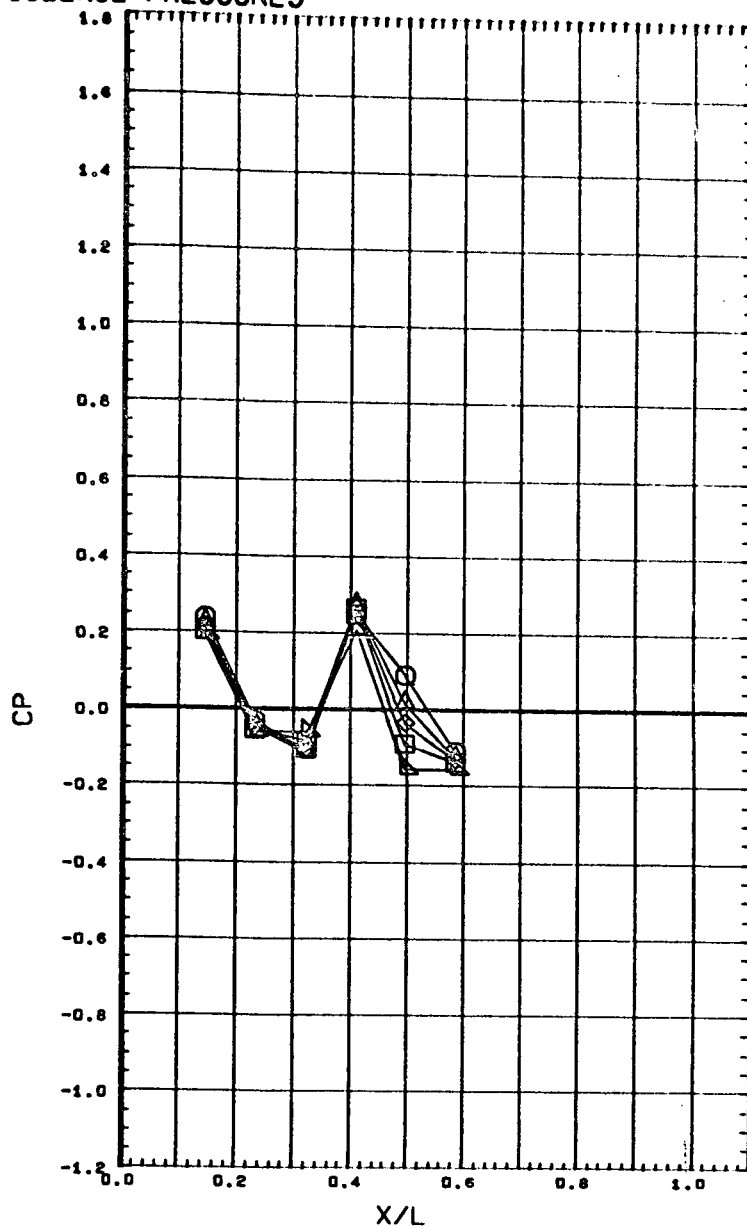
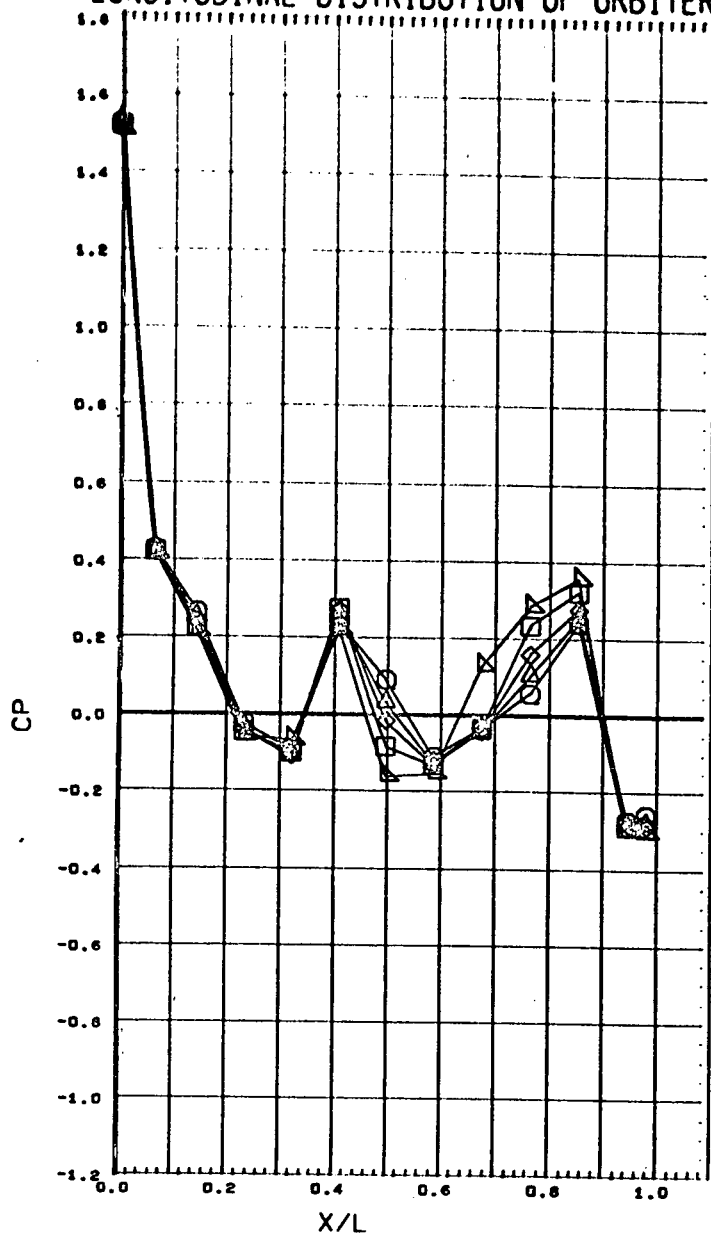


SYMBOL	ALFB	Y/B	M1
○	2.165	0.000	1.201
◇	4.175	0.076	
△	5.542		
□	7.781		
+	10.179		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.036	
	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

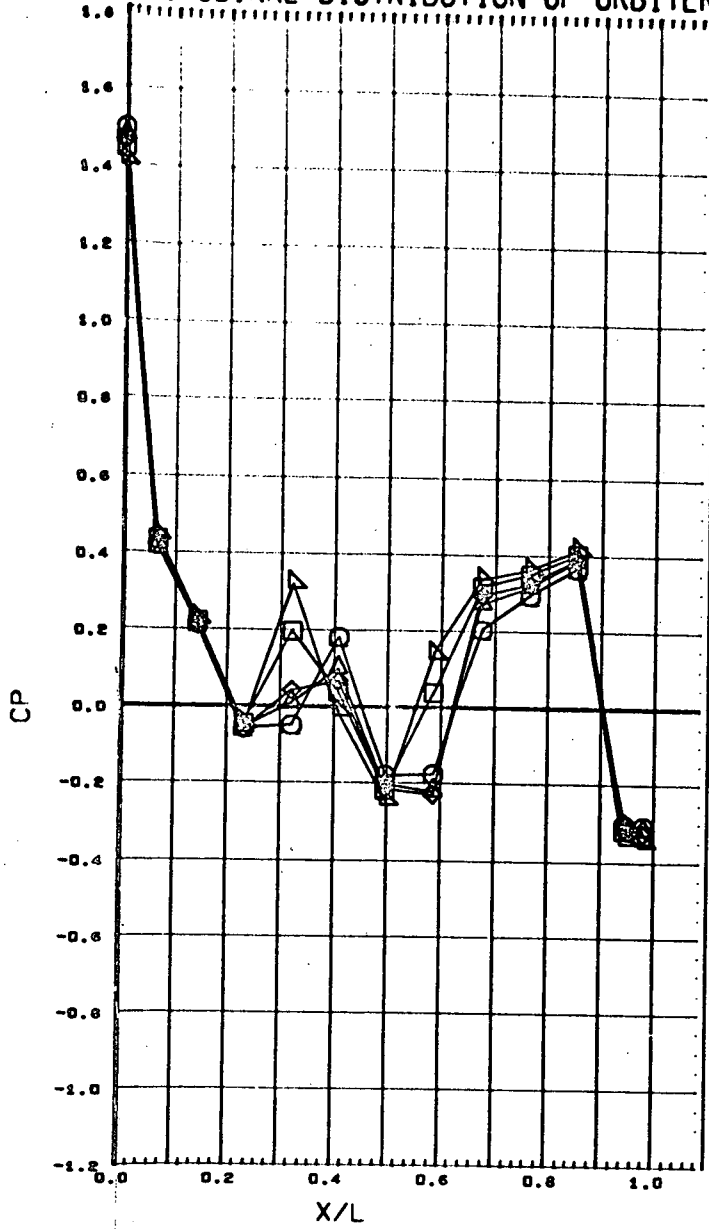


SYMBOL	ALFB	Y/B	M1
○	7.919	0.000	1.299
△	5.804	0.076	
◇	4.443		
□	2.184		
▽	0.212		

REFERENCE FILE

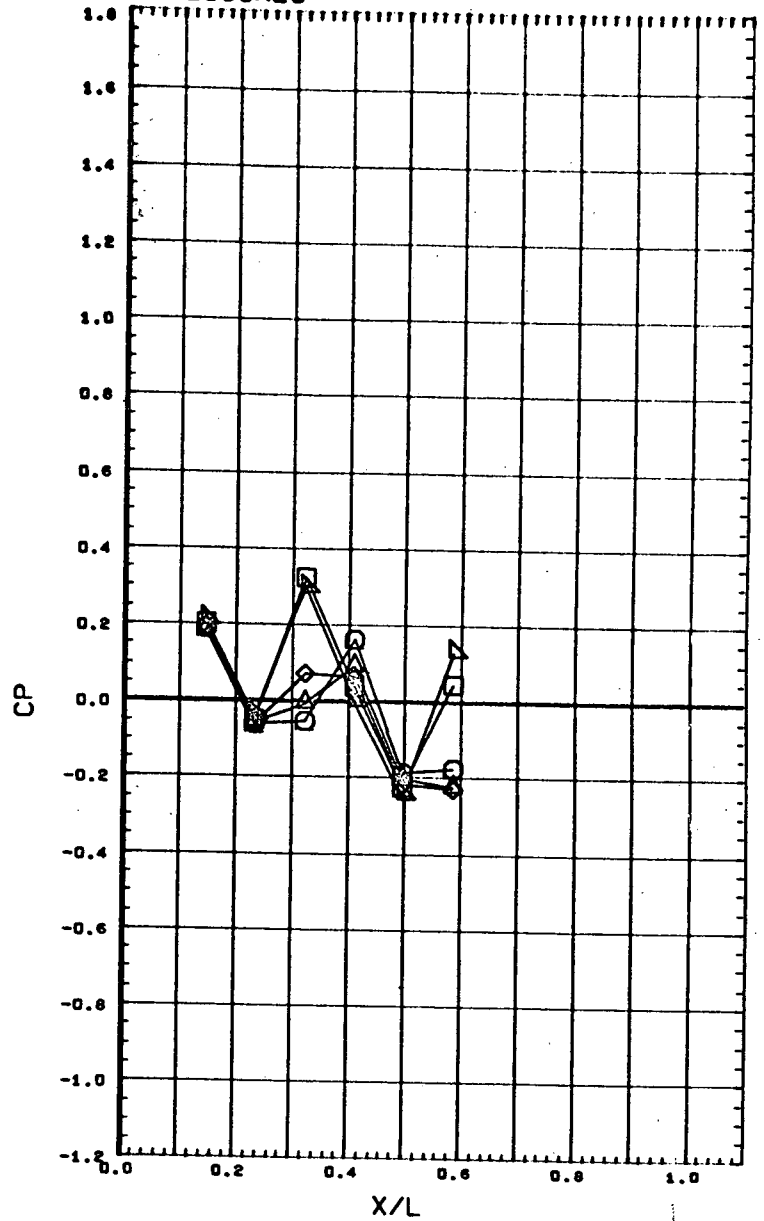
PARAMETRIC VALUES		
BETA	0.000	OX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



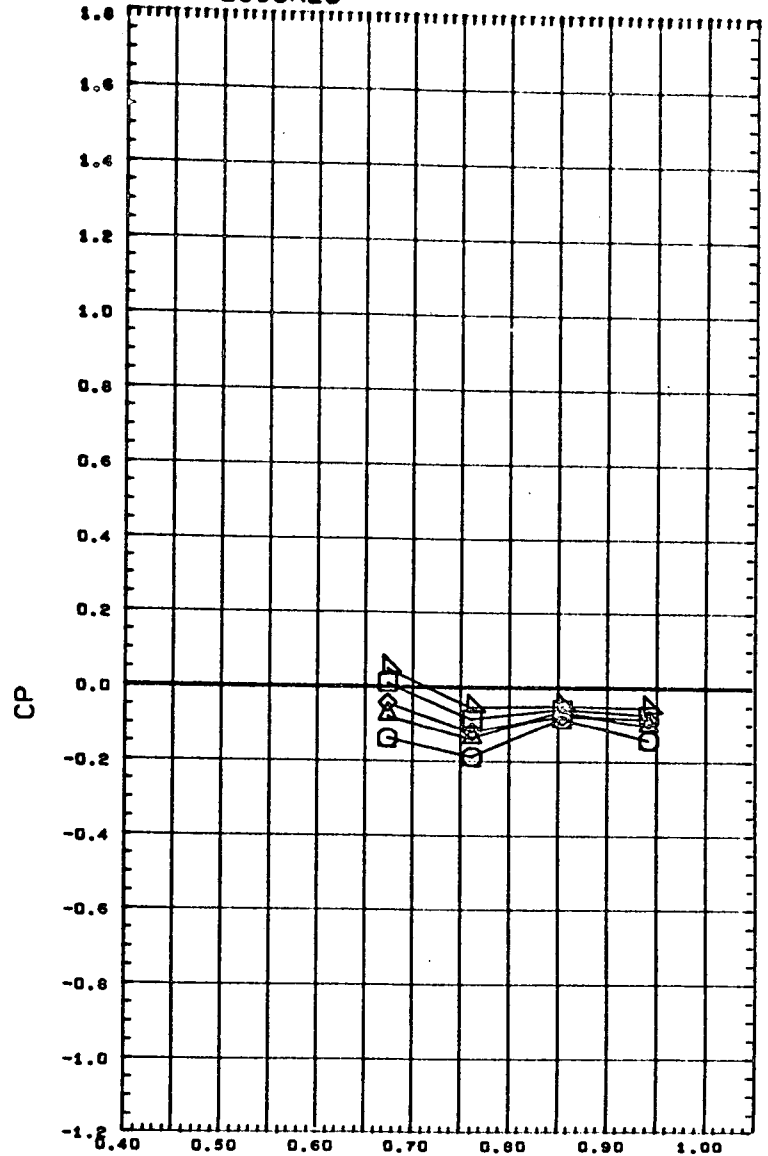
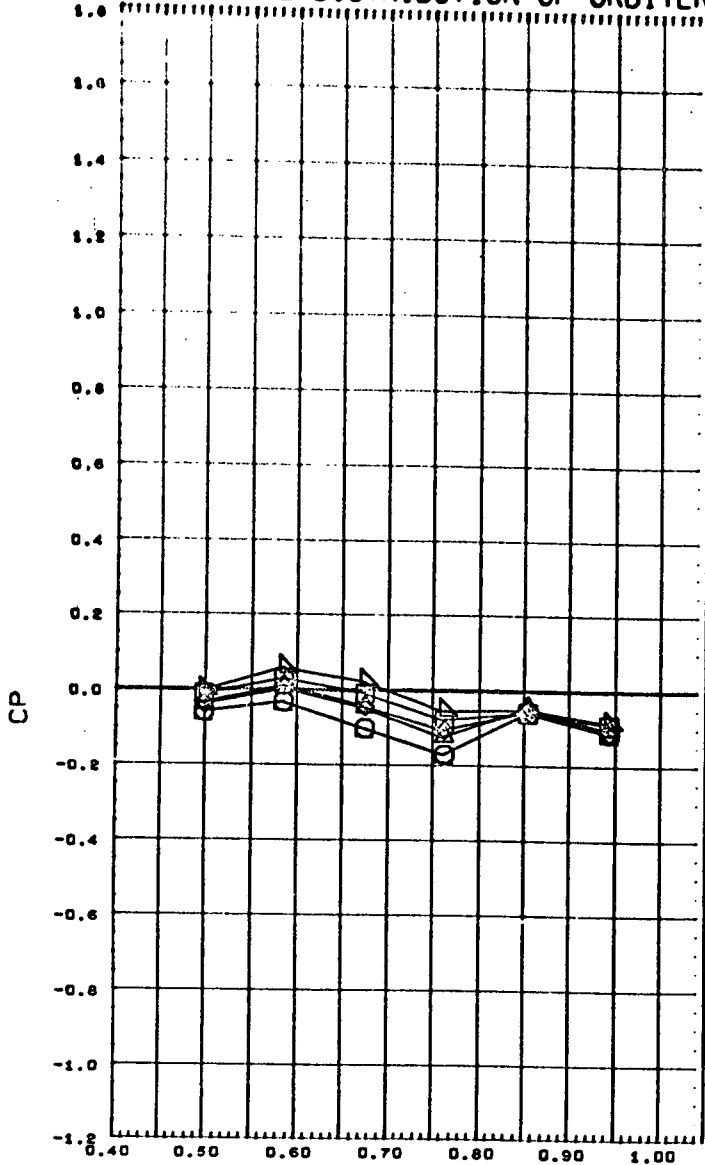
SYMBOL	ALFB	Y/B	M1
○	1.918	0.000	1.299
△	4.204	0.076	
◇	5.543		
◻	7.781		
◼	10.179		

REFERENCE FILE



BETA	PARAMETRIC VALUES	DX/L	
I	0.000	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

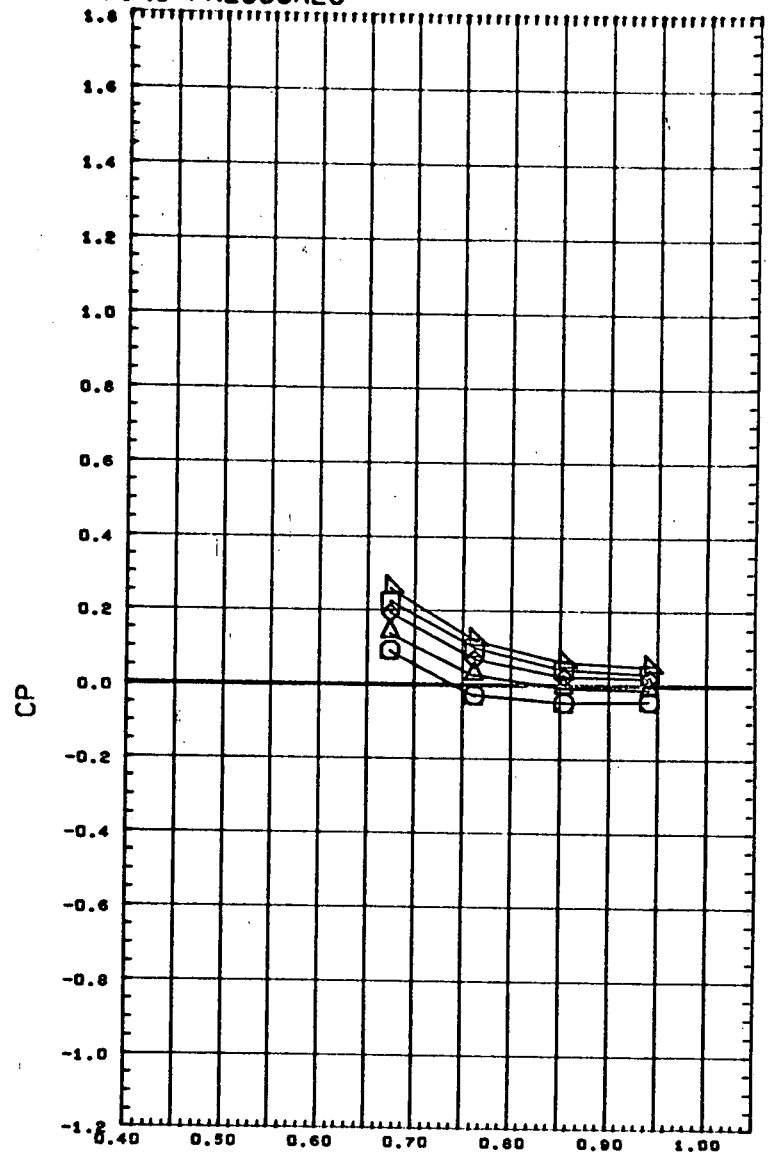
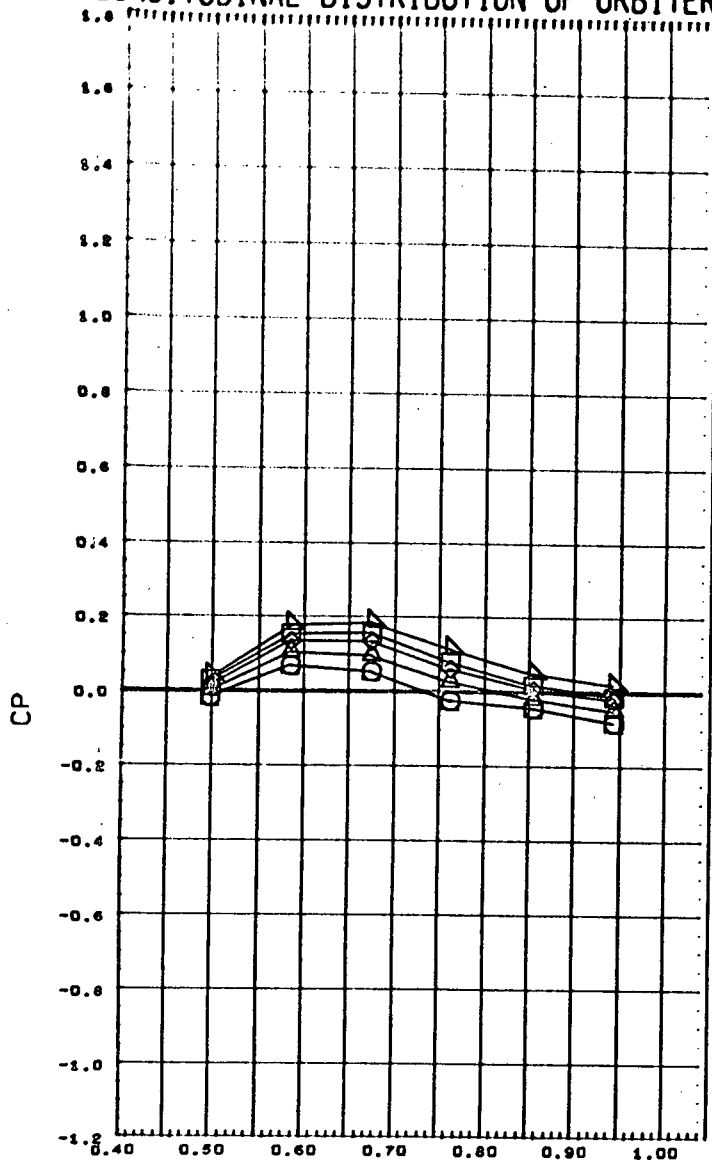


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.148	0.230	0.601
△	- 6.084	0.399	
◇	- 4.017		
□	- 1.949		
▽	0.119		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

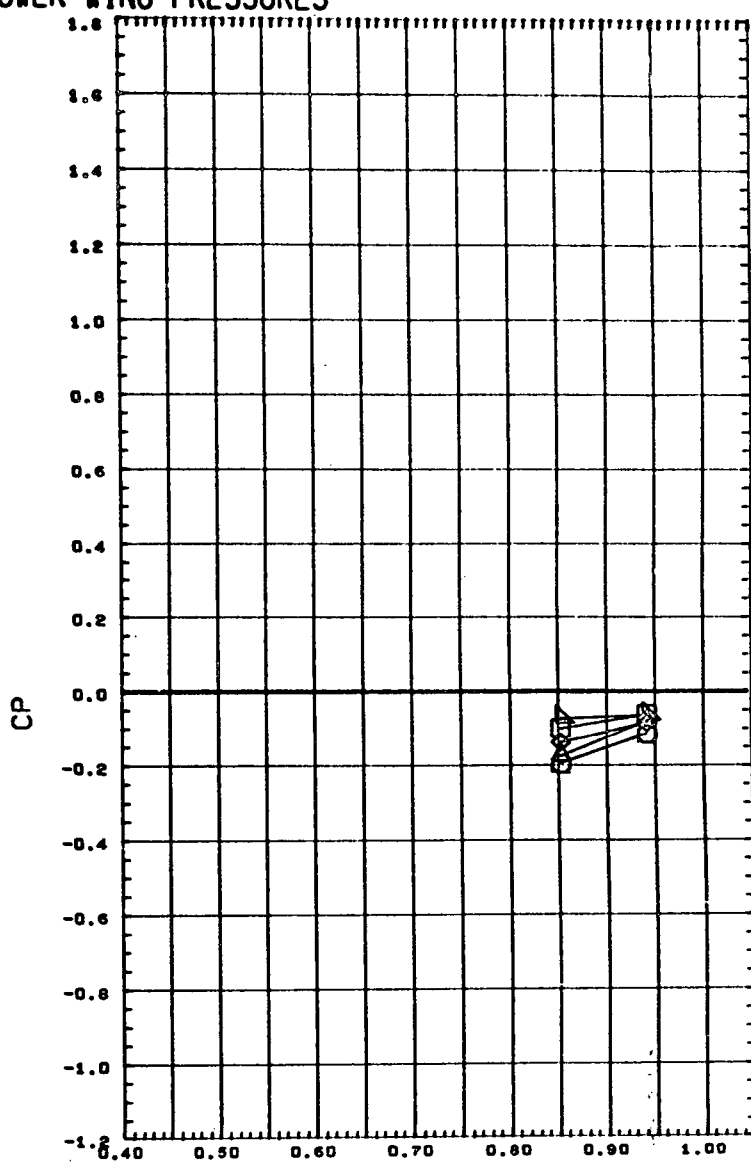
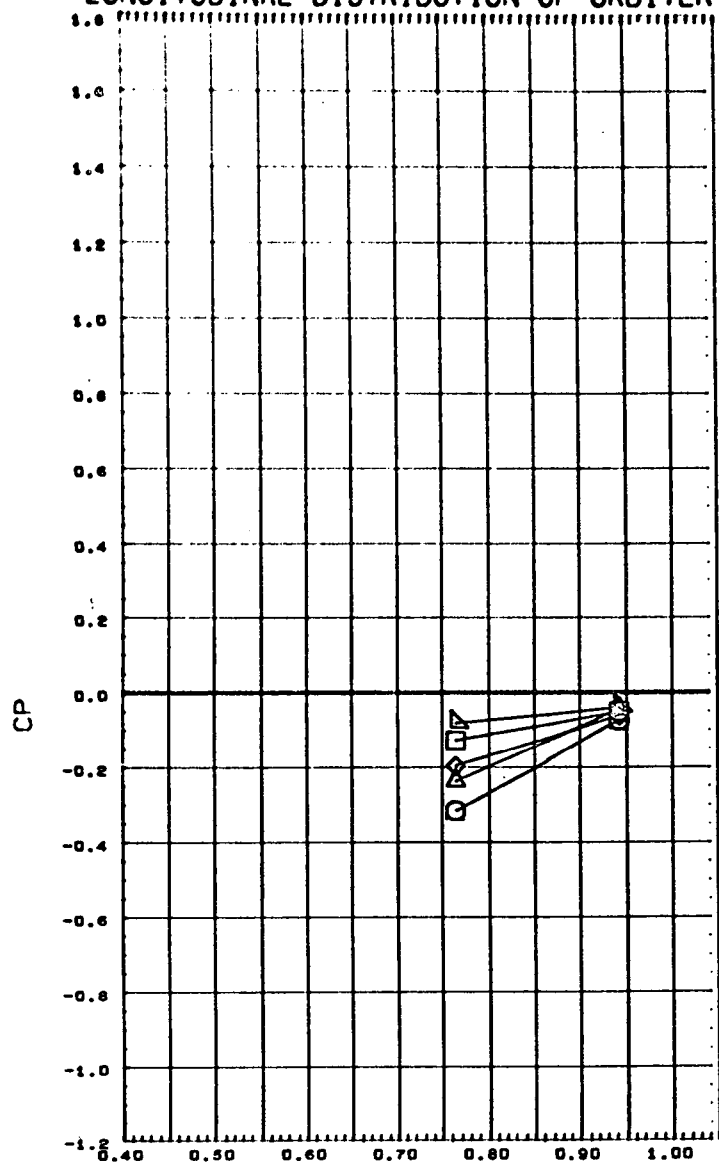


SYMBOL	ALFB	Y/B	M1
○	2.172	0.230	0.601
◇	4.250	0.399	
△	6.291		
□	8.362		
■	10.431		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

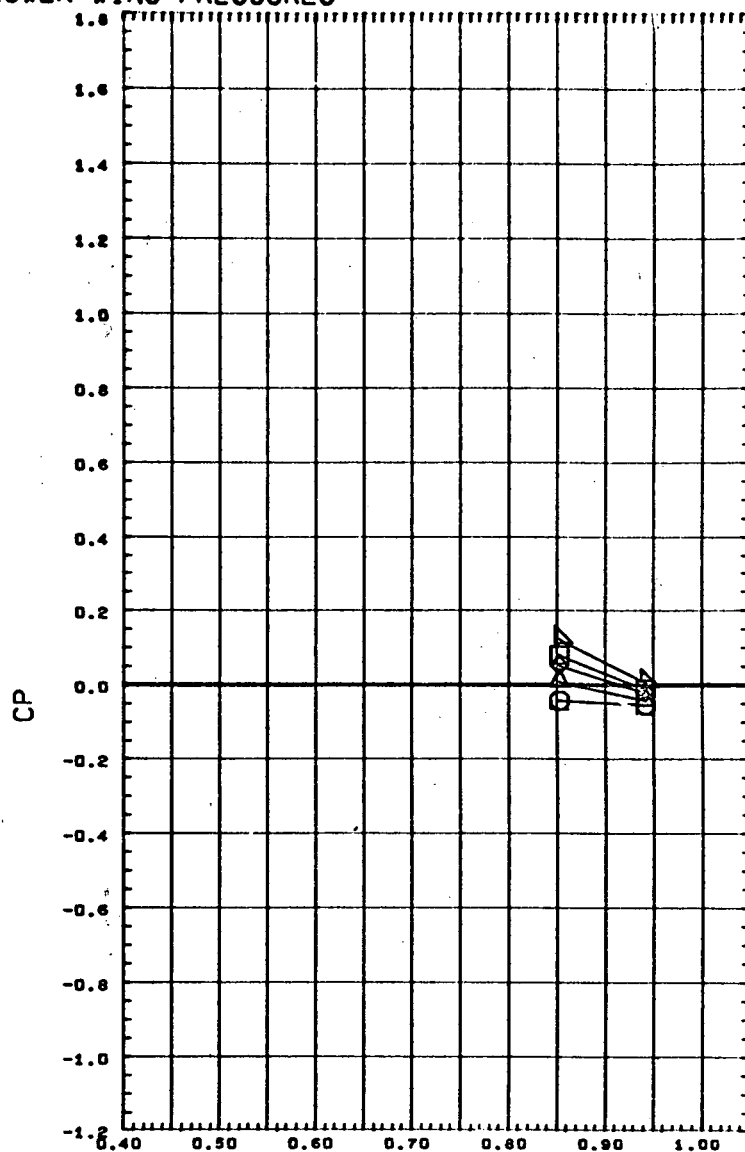
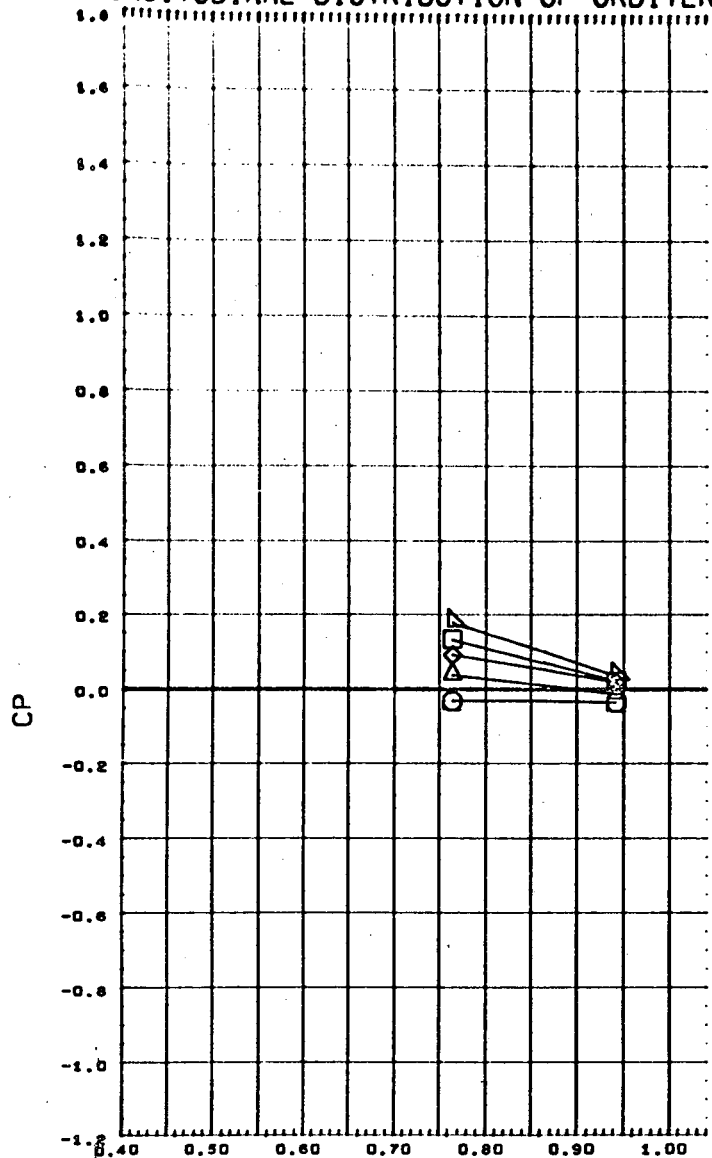


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.148	0.568	0.601
◇	- 6.084	0.738	
△	- 4.017		
□	- 1.949		
◻	0.119		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	0.036
I	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

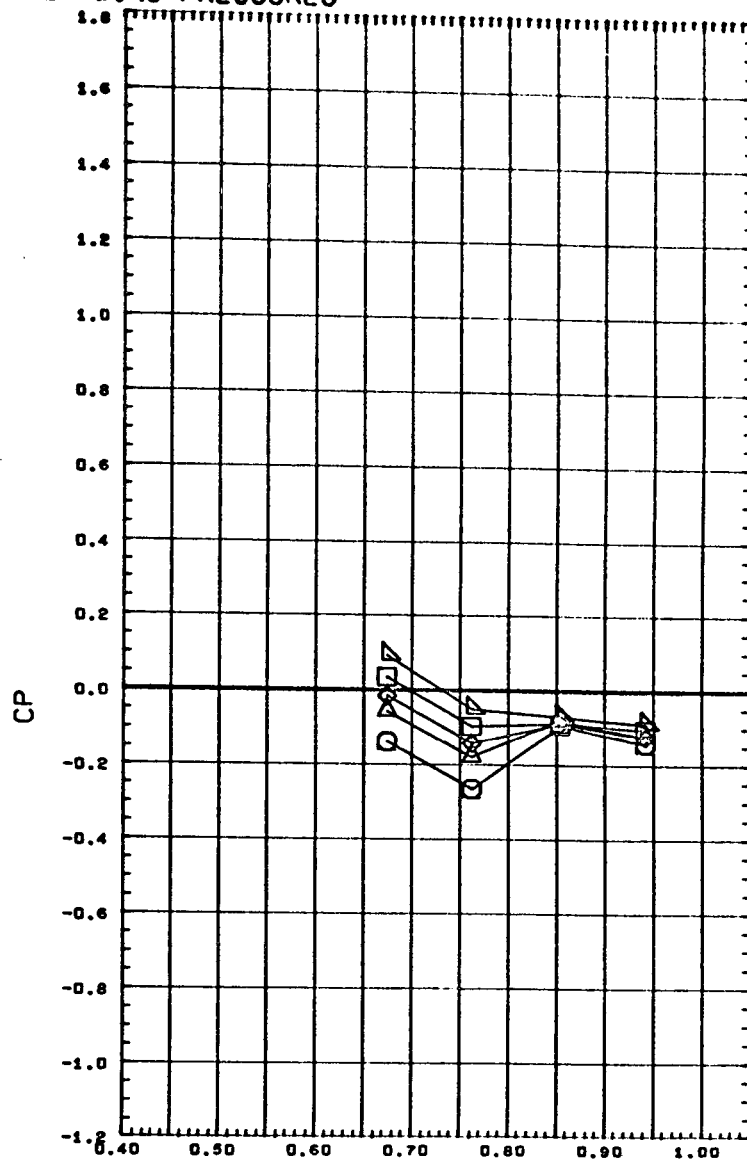
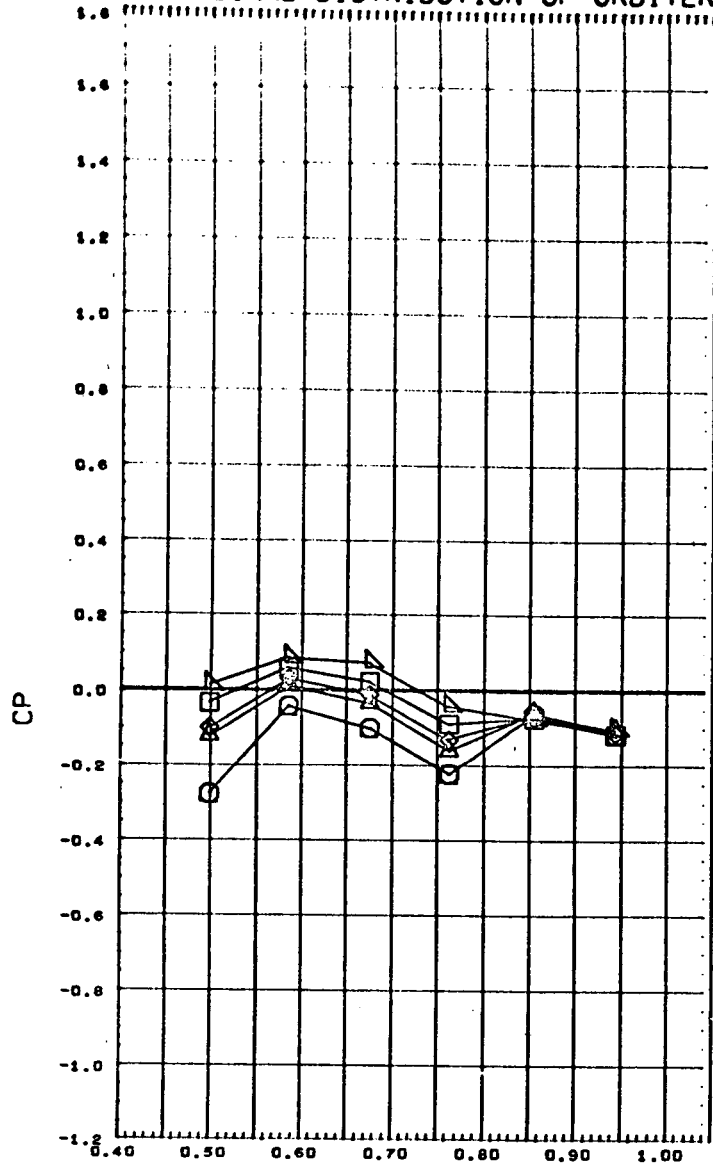


X/L			
SYMBOL	ALFB	Y/B	M1
○	2.172	0.568	0.601
△	4.250	0.738	
◇	6.291		
□	8.362		
■	10.431		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



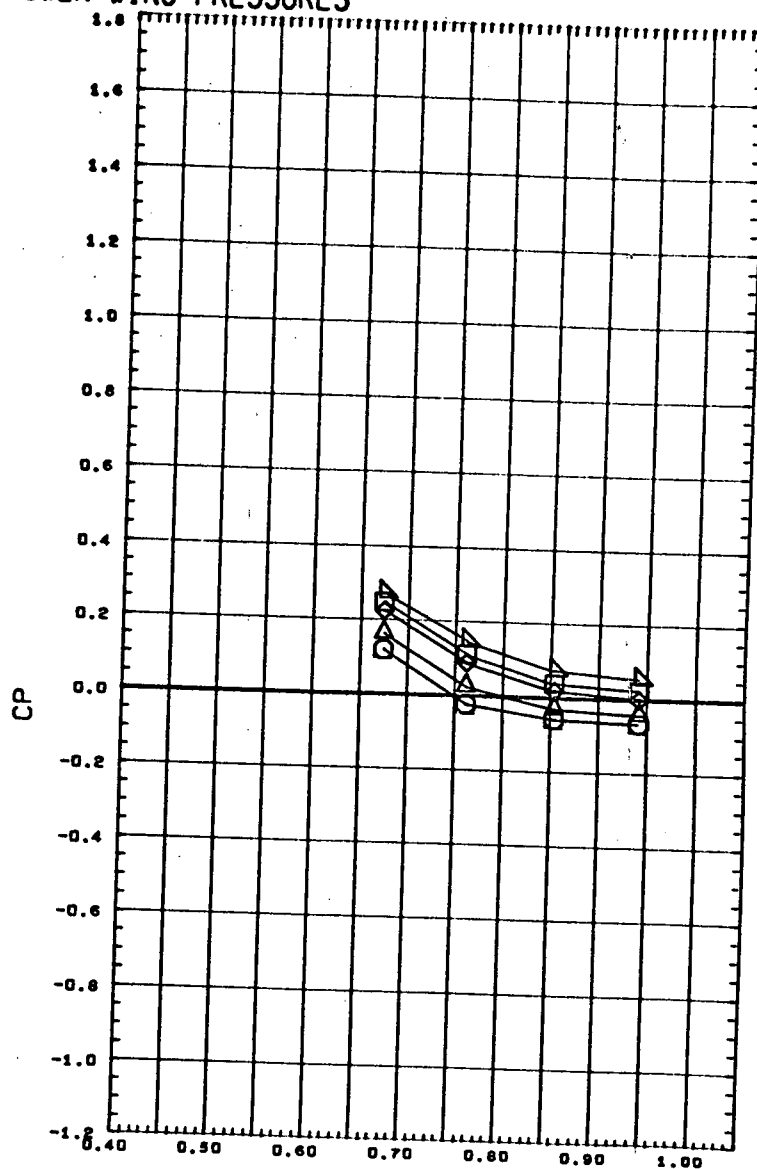
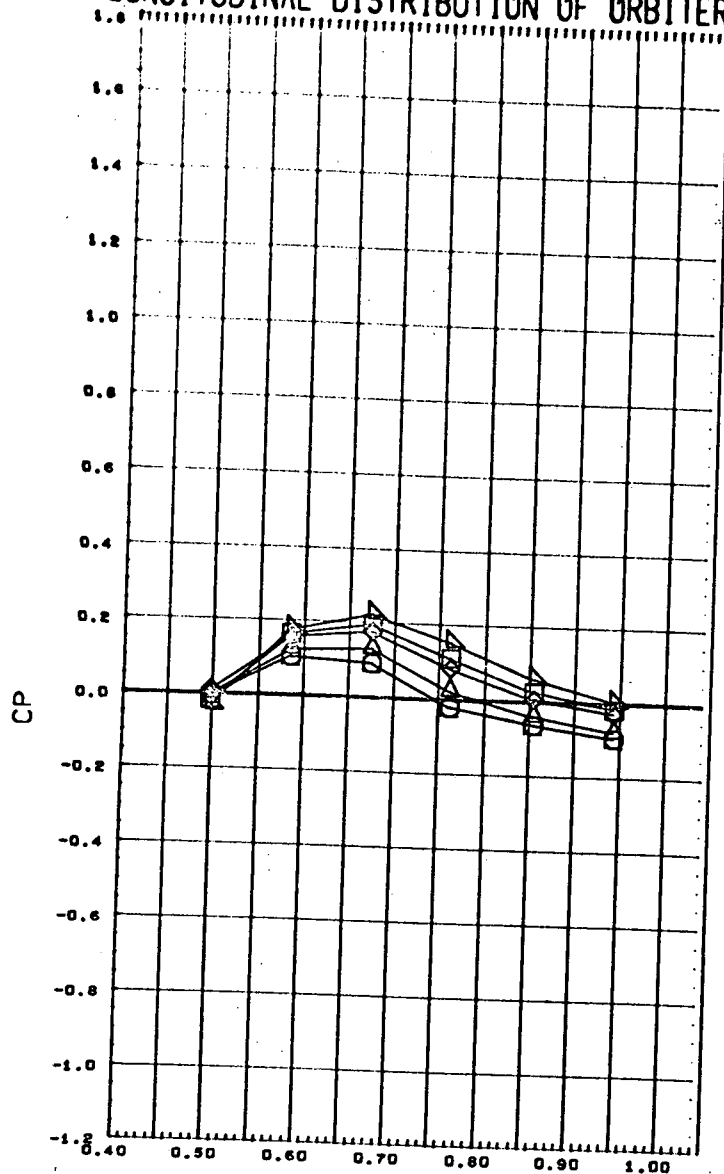
SYMBOL	ALFB	Y B	M1
○	- 8.279	0.230	0.903
△	- 5.812	0.399	
◇	- 3.826		
□	- 1.834		
▽	- 0.163		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	DX/L	
I	0.000	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



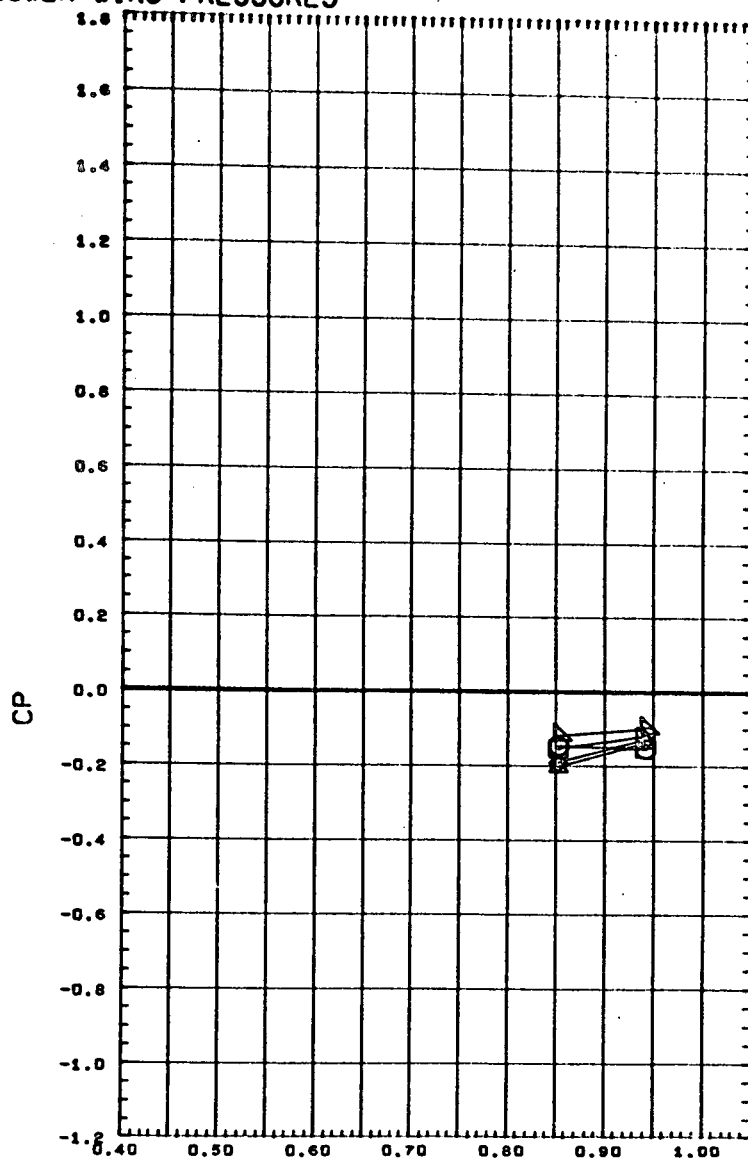
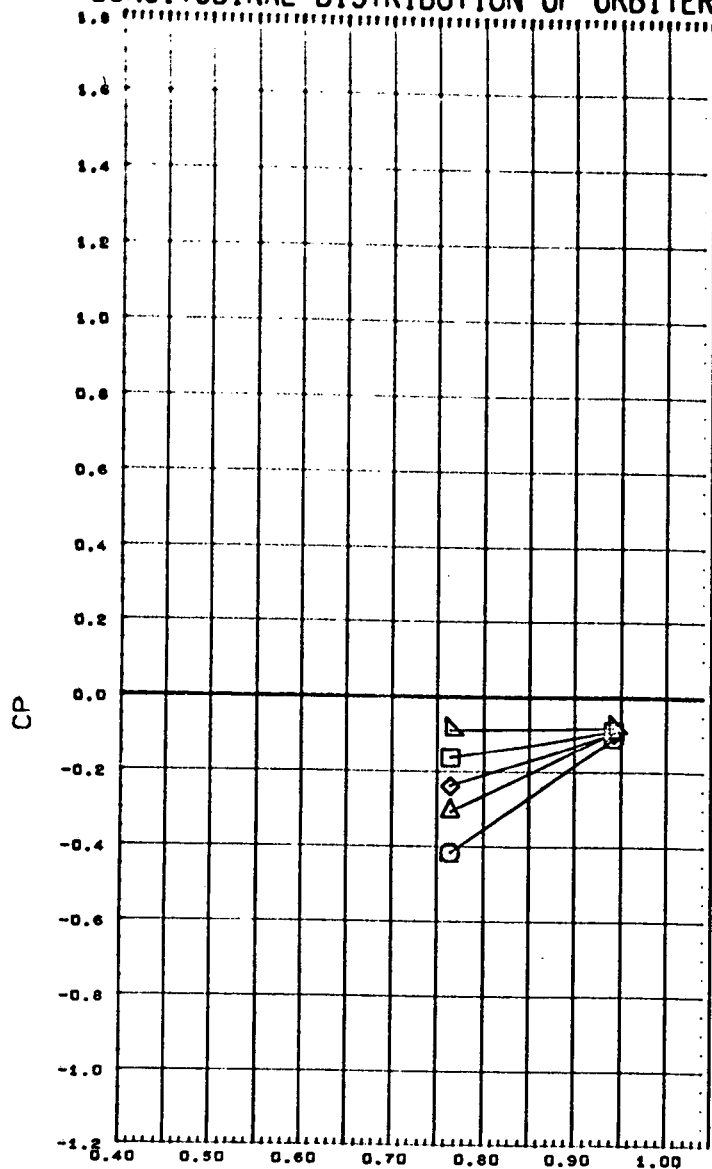
SYMBOL	ALFB	Y/B	M1
○	1.553	0.230	0.903
◇	3.751	0.399	
△	6.149		
□	7.558		
▽	10.169		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC009)

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

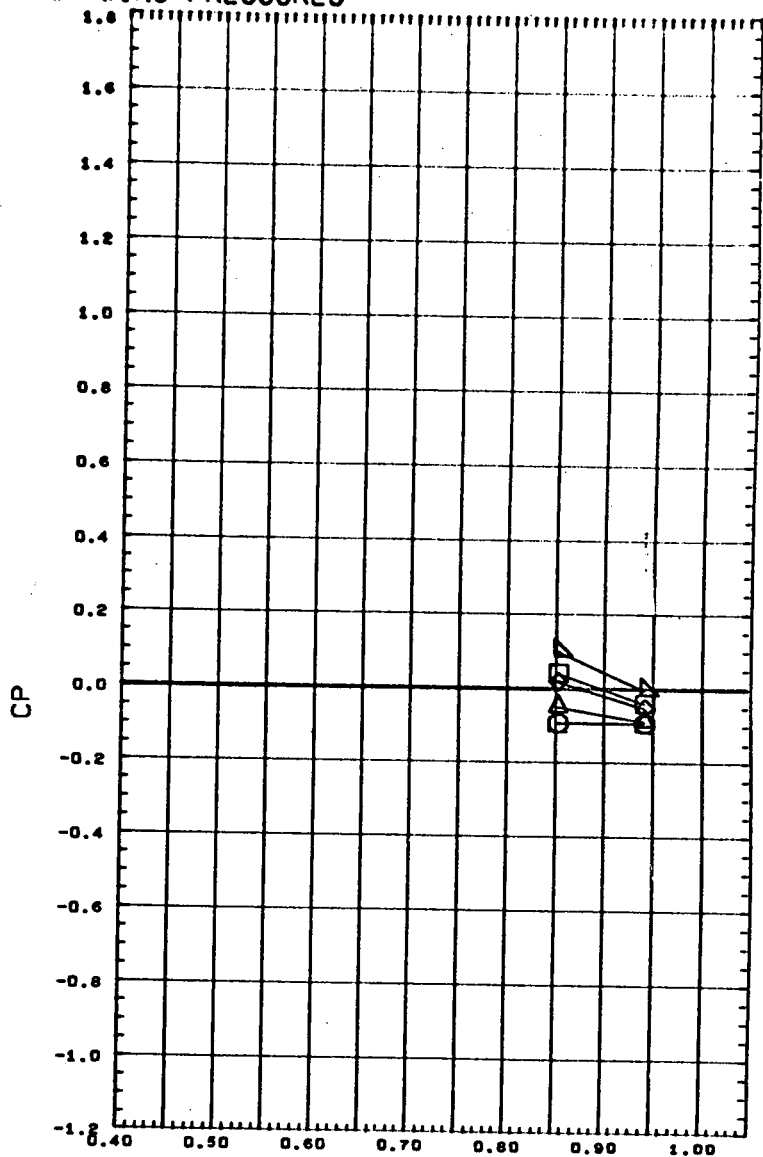
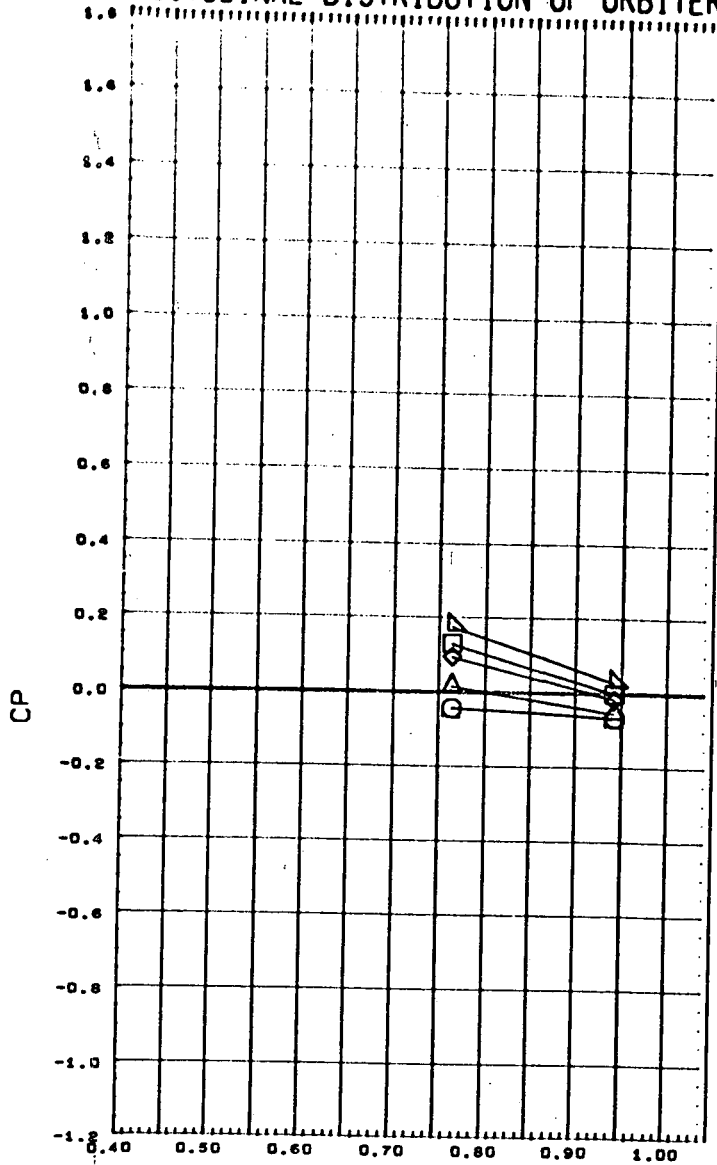


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.279	0.568	0.903
△	- 5.812	0.738	
◇	- 3.826		
□	- 1.834		
▽	0.163		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



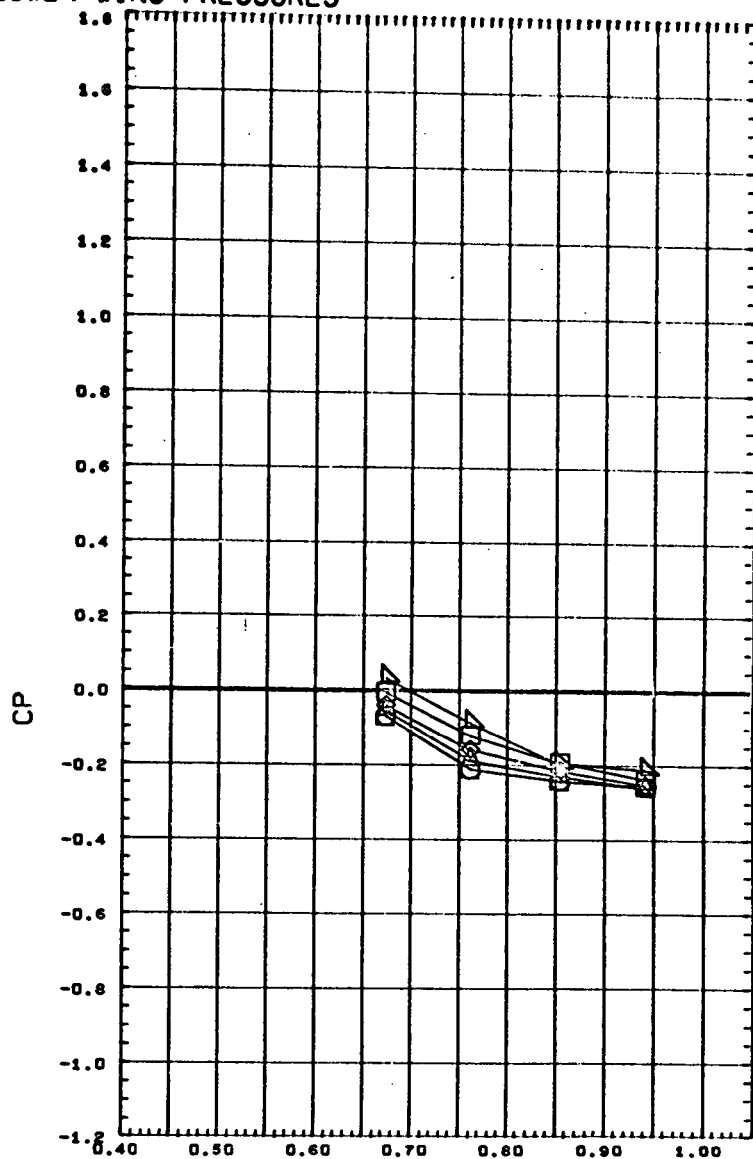
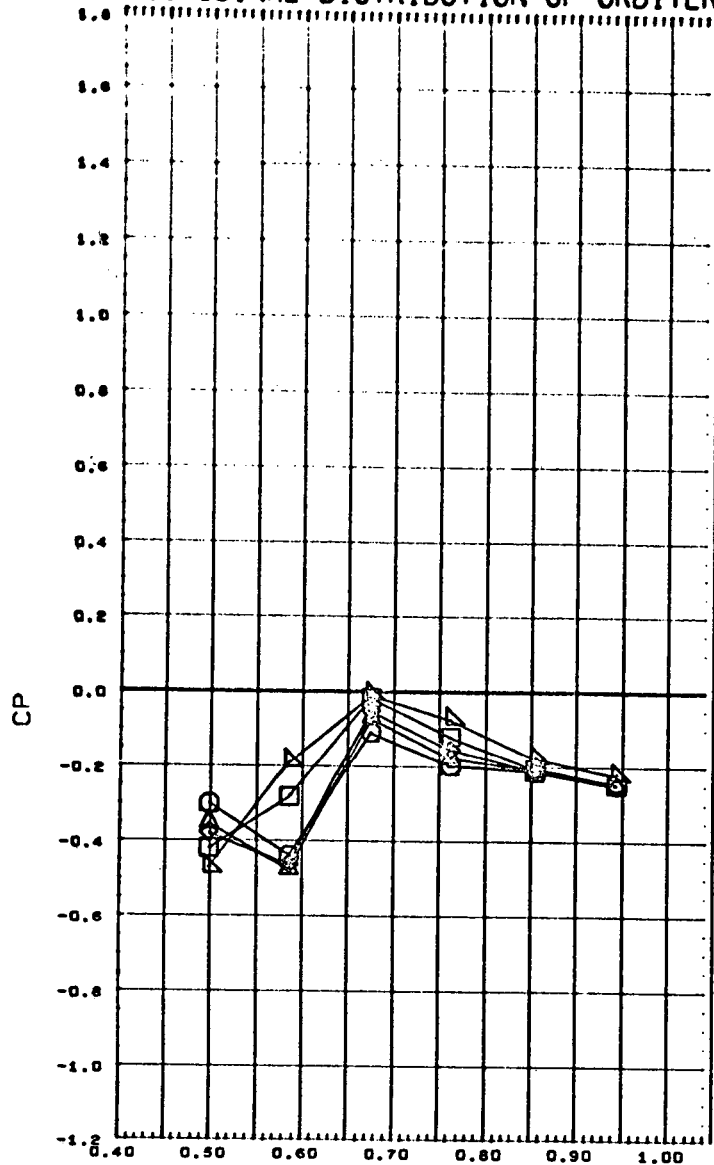
SYMBOL	ALFB	Y/B	M1
○	1.553	0.568	0.903
△	3.751	0.738	
◇	6.149		
□	7.558		
▽	10.169		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	0X/L	0.036
1	0.000	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

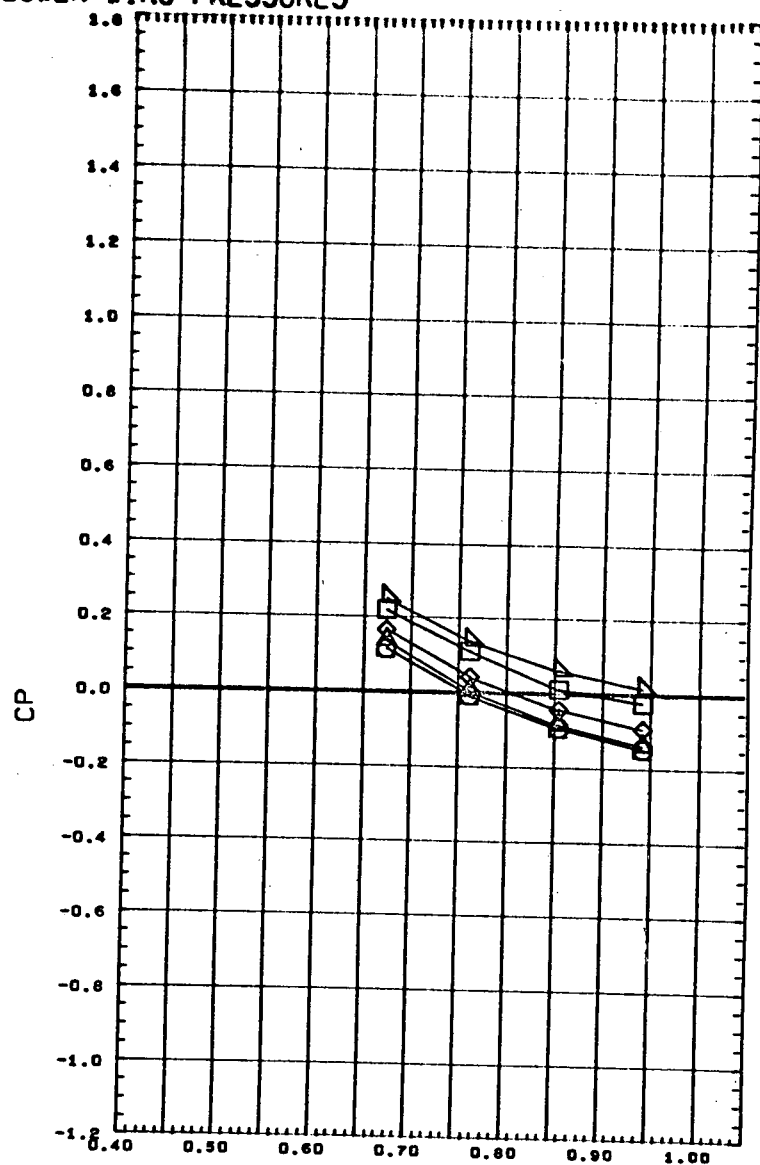
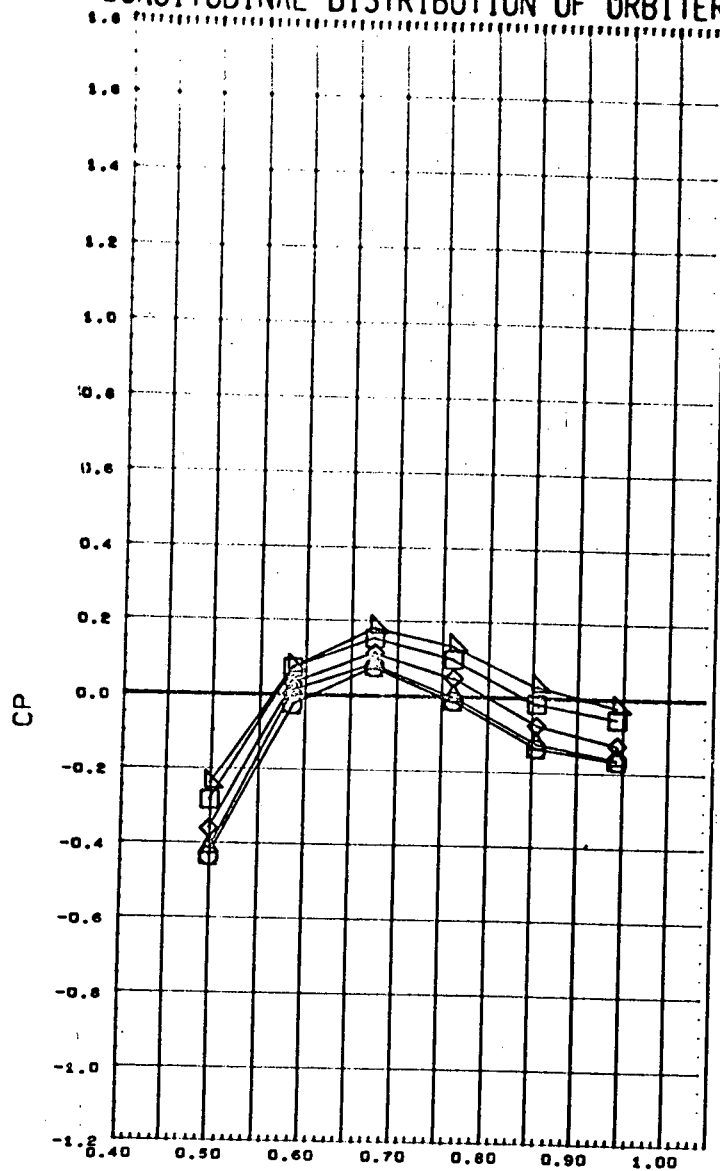


SYMBOL	ALFB	Y/B	M1
○	7.909	0.230	1.004
△	5.810	0.399	
◇	4.434		
□	2.210		
▽	0.226		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
□	2.167	0.230	1.004
◇	4.154	0.399	
△	6.134		
○	8.144		
×	10.153		

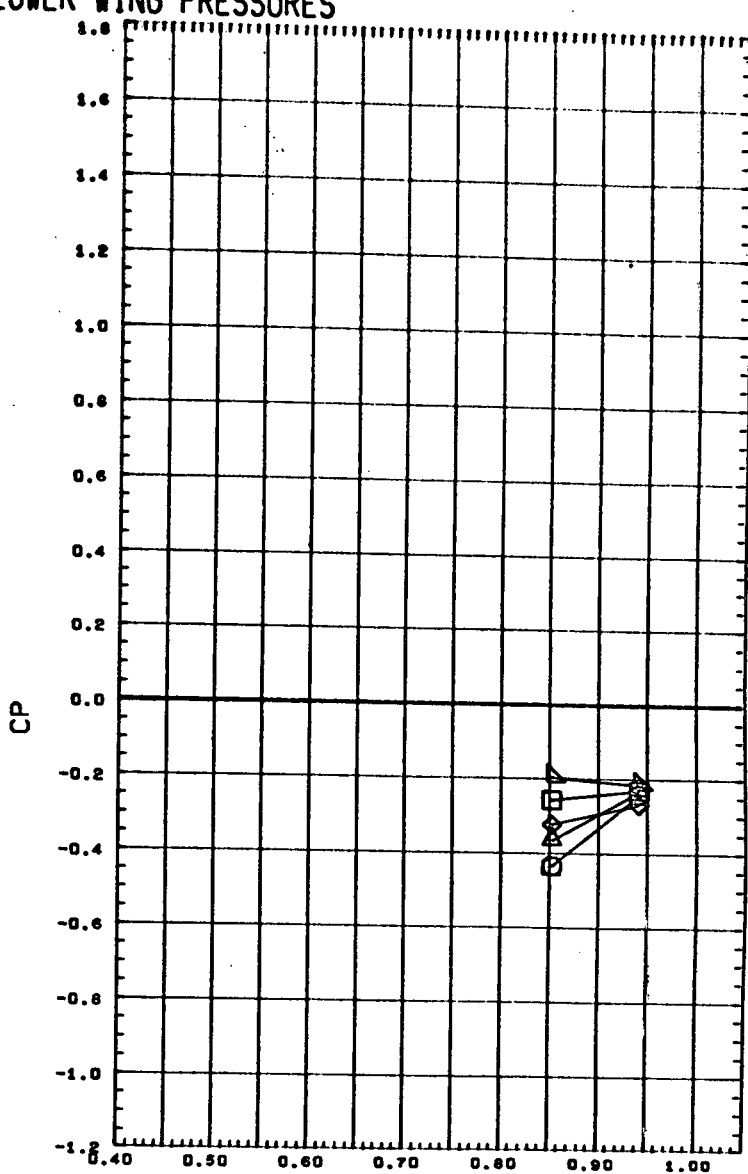
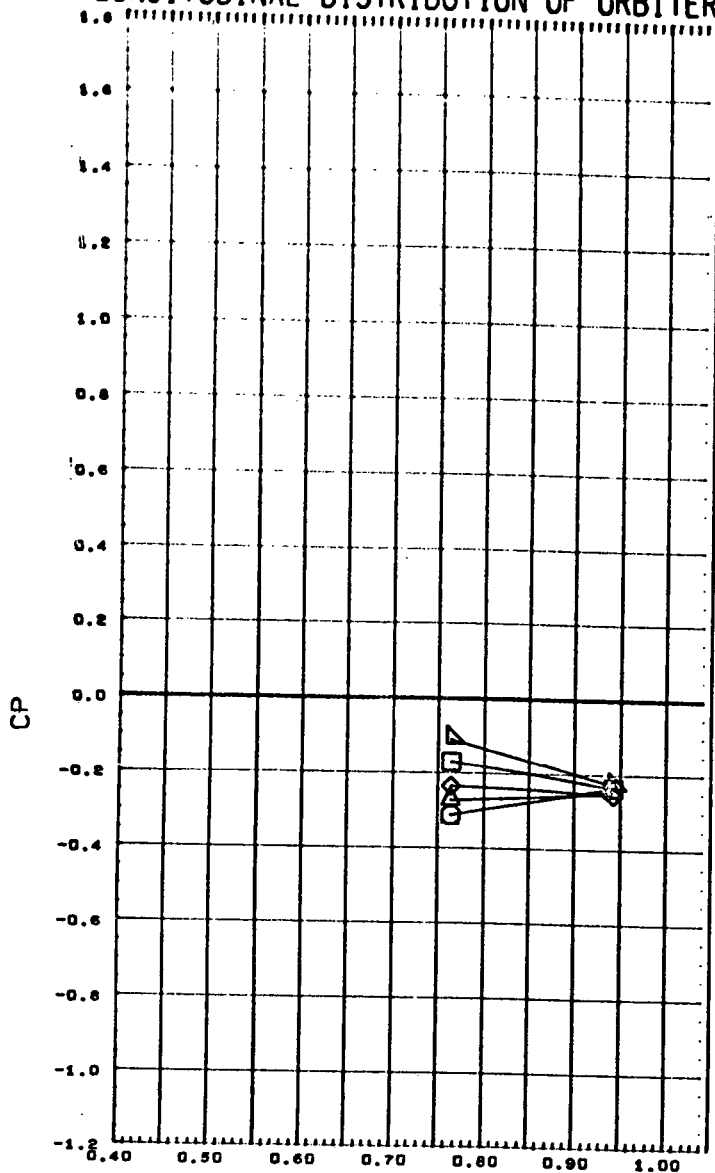
REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	1.900
OX/L	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC009)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

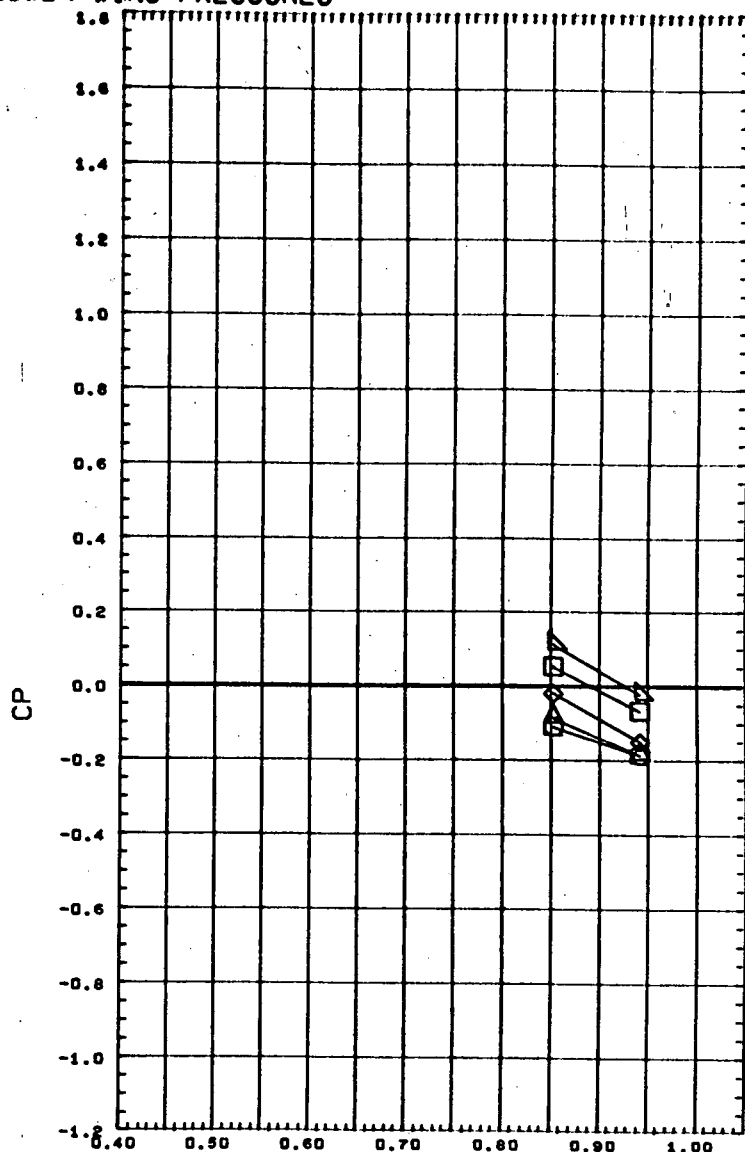
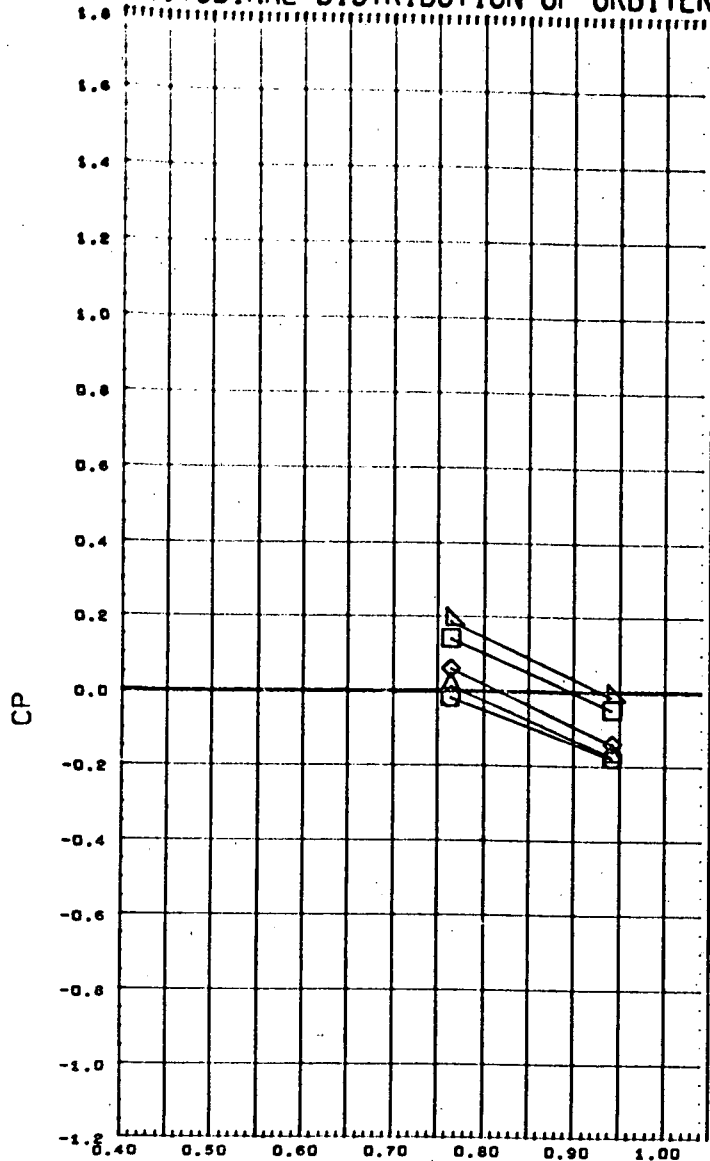


SYMBOL	ALFB	Y/B	M1
○	- 7.909	0.568	1.004
△	- 5.810	0.738	
◇	- 4.434		
□	- 2.210		
▽	0.226		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

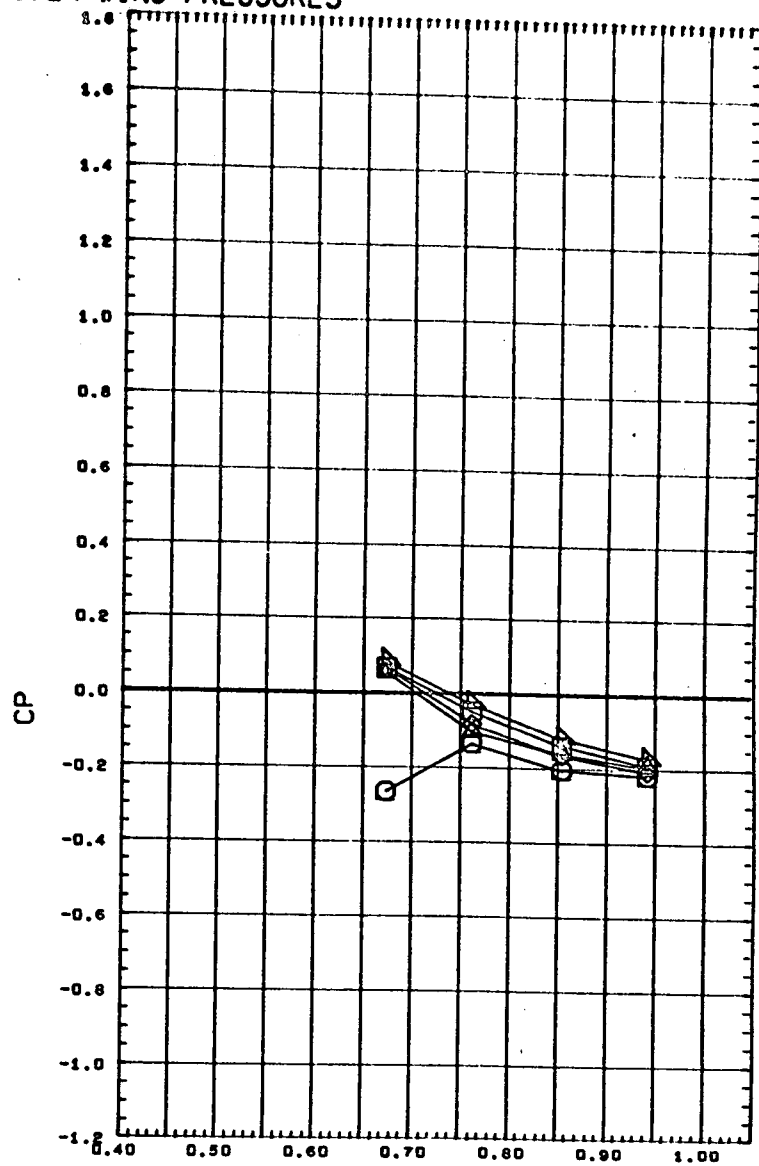
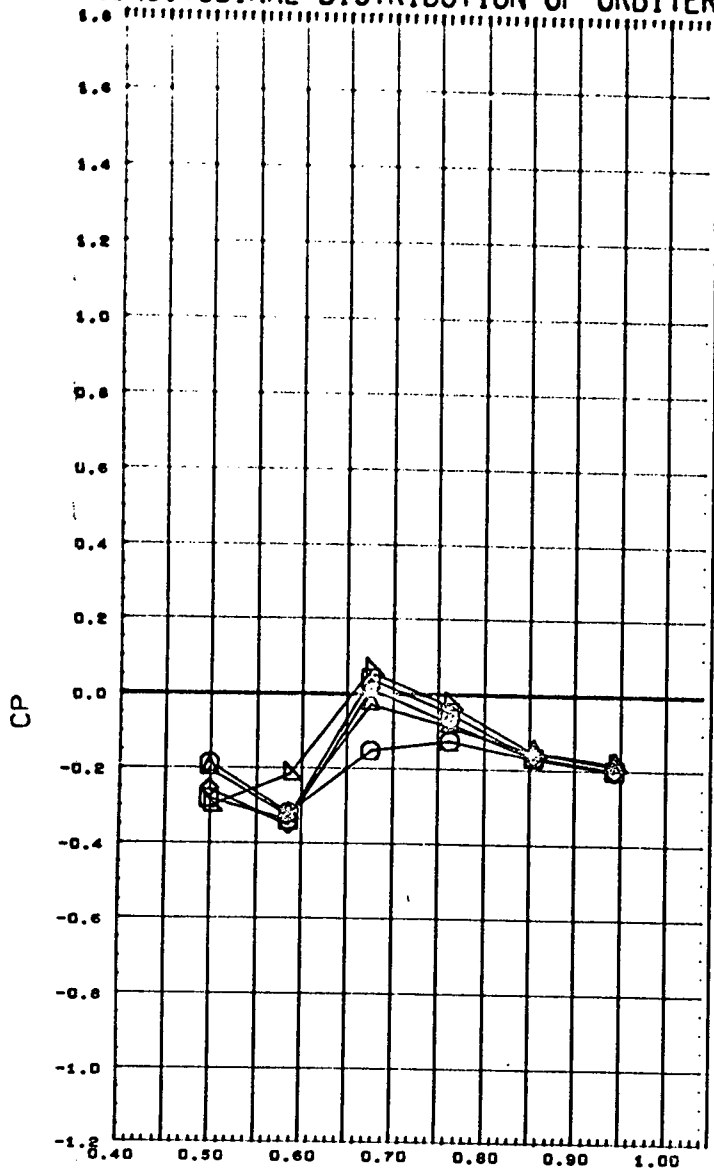


	X/L		
SYMBOL	ALFB	Y/B	M1
○	2.167	0.568	1.004
◇	4.154	0.738	
△	6.134		
□	8.144		
—	10.153		

REFERENCE FILE

	X/L		
	PARAMETRIC VALUES		
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

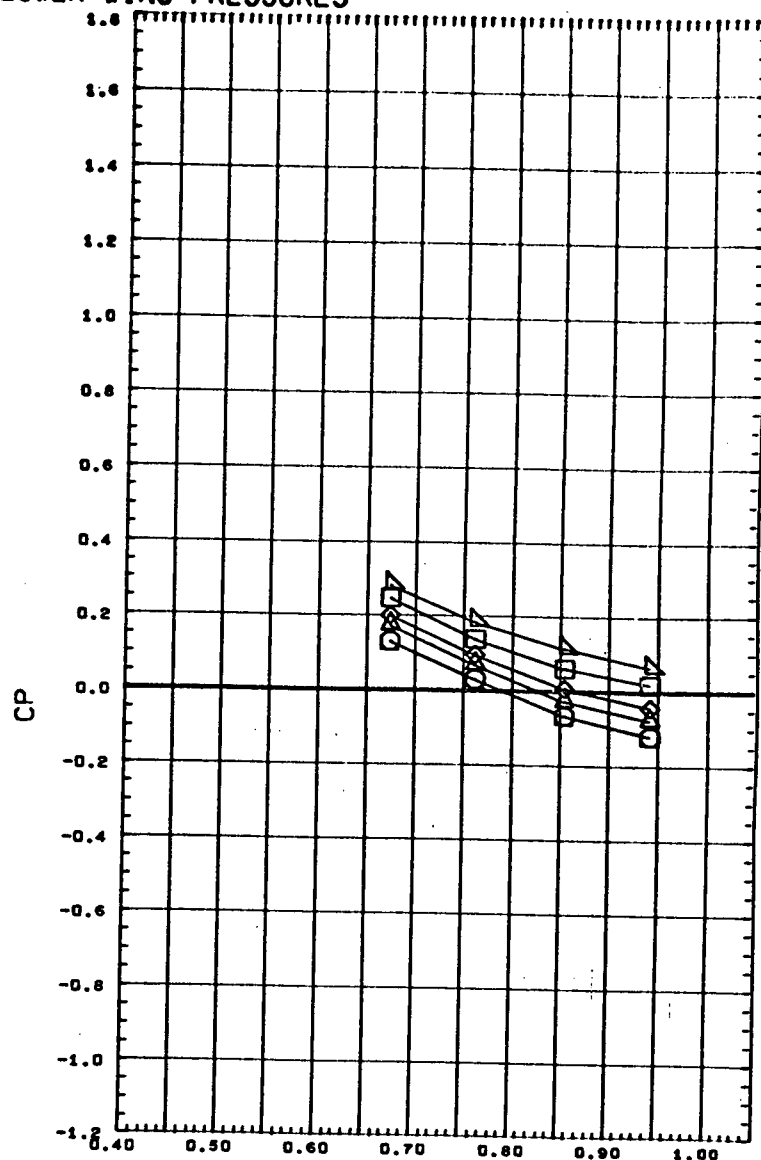
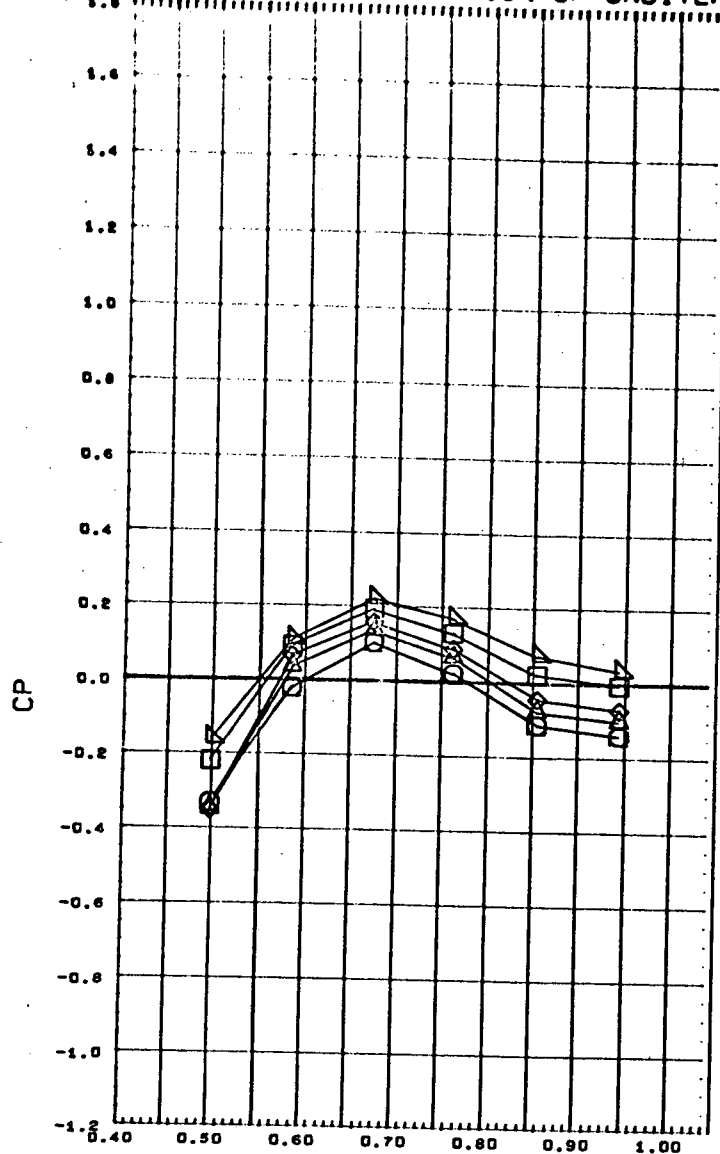


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.920	0.230	1.100
△	- 5.788	0.399	
◇	- 3.610		
□	- 1.612		
▽	- 0.381		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0.036
	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

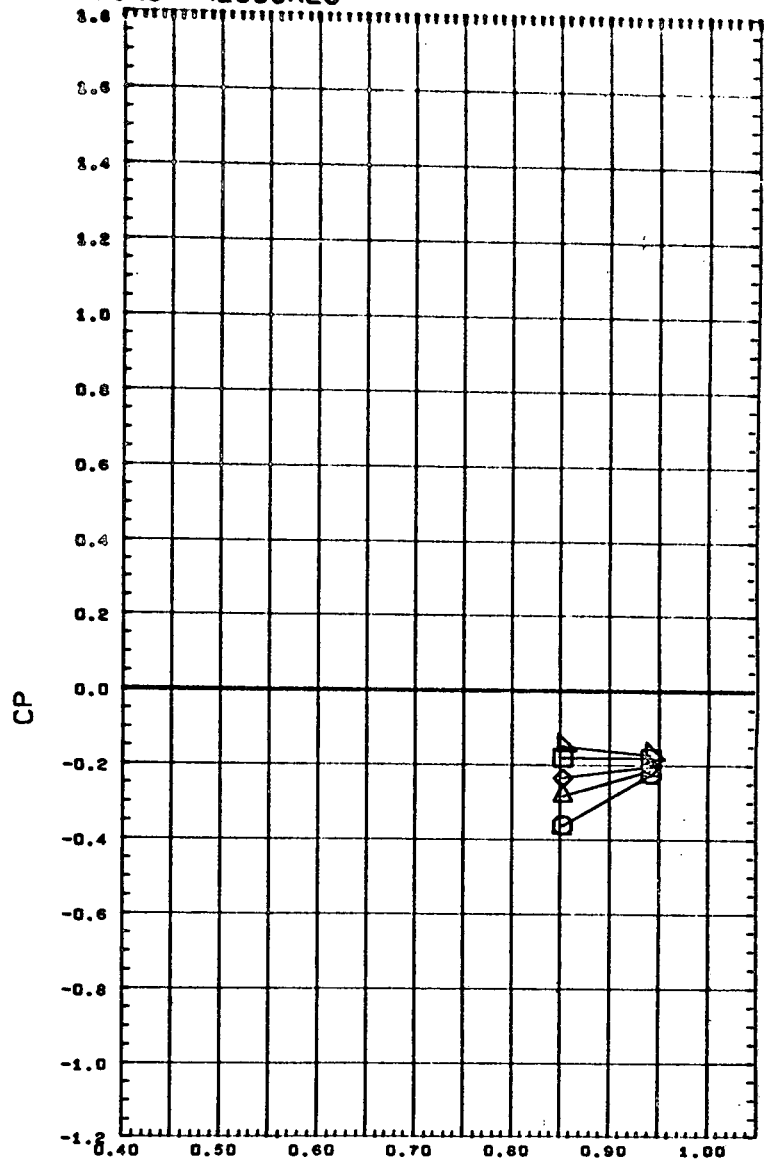
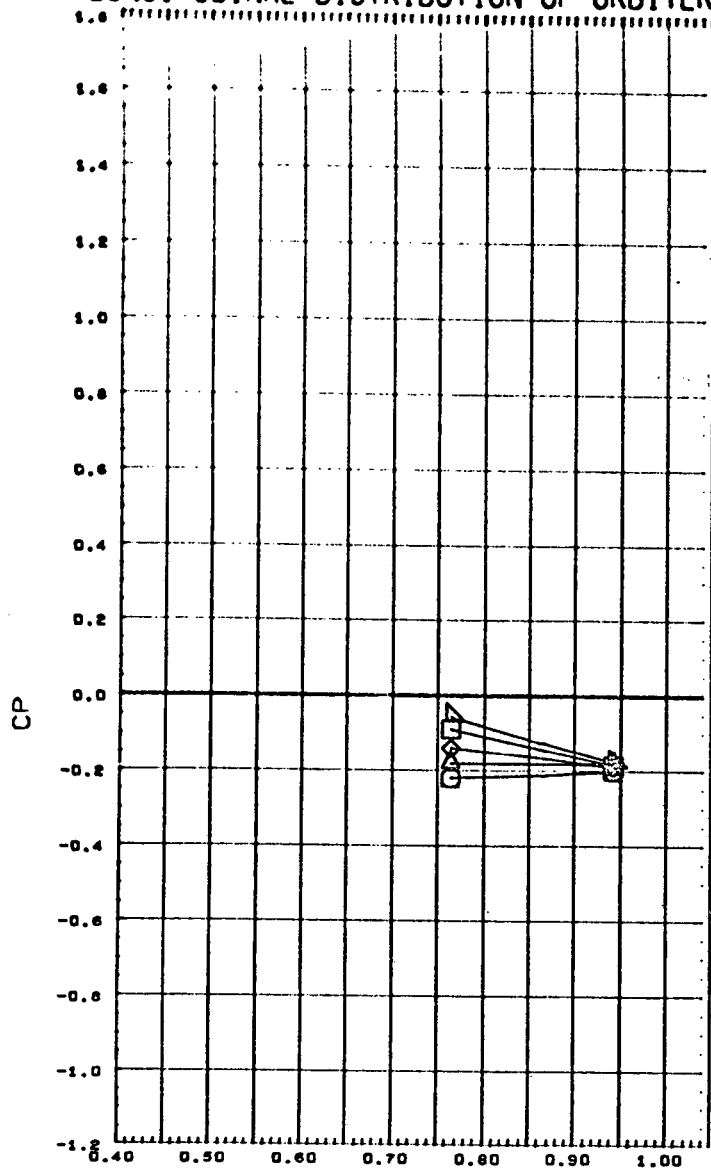


SYMBOL	ALFB	Y/B	M1
○	2.224	0.230	1.100
△	4.163	0.399	
◇	5.535		
□	7.787		
▽	10.190		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

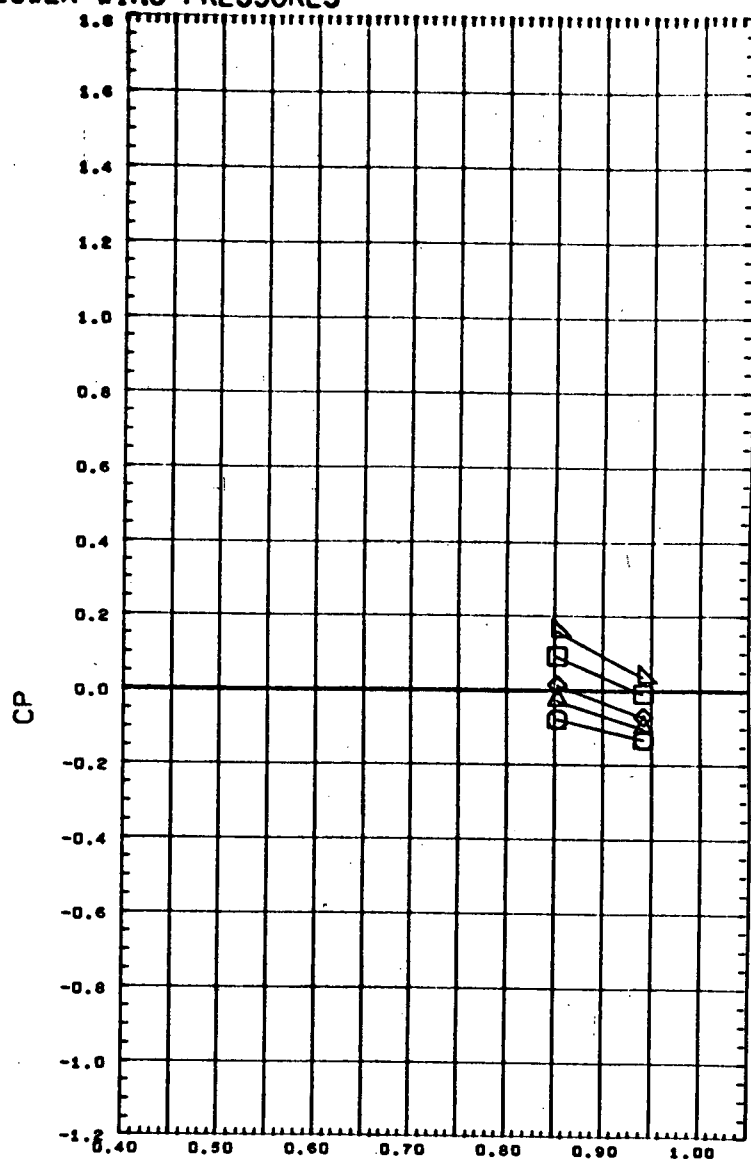
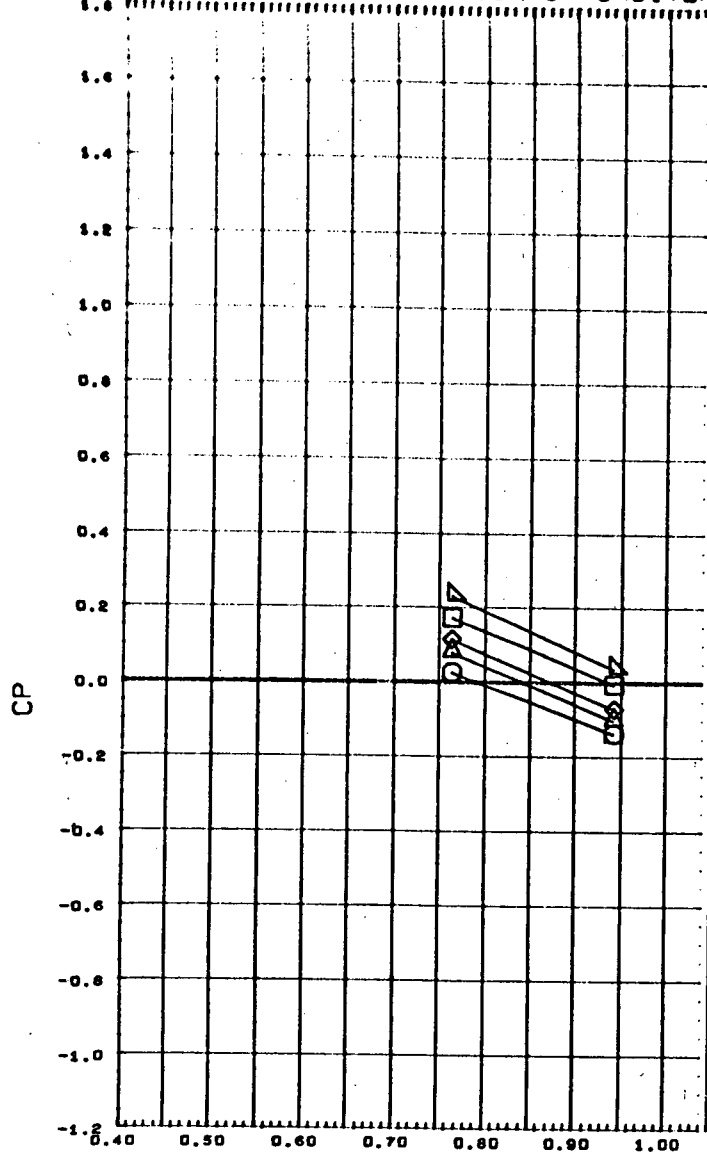


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.920	0.568	1.100
△	- 5.788	0.738	
◇	- 3.810		
□	- 1.812		
▽	- 0.381		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

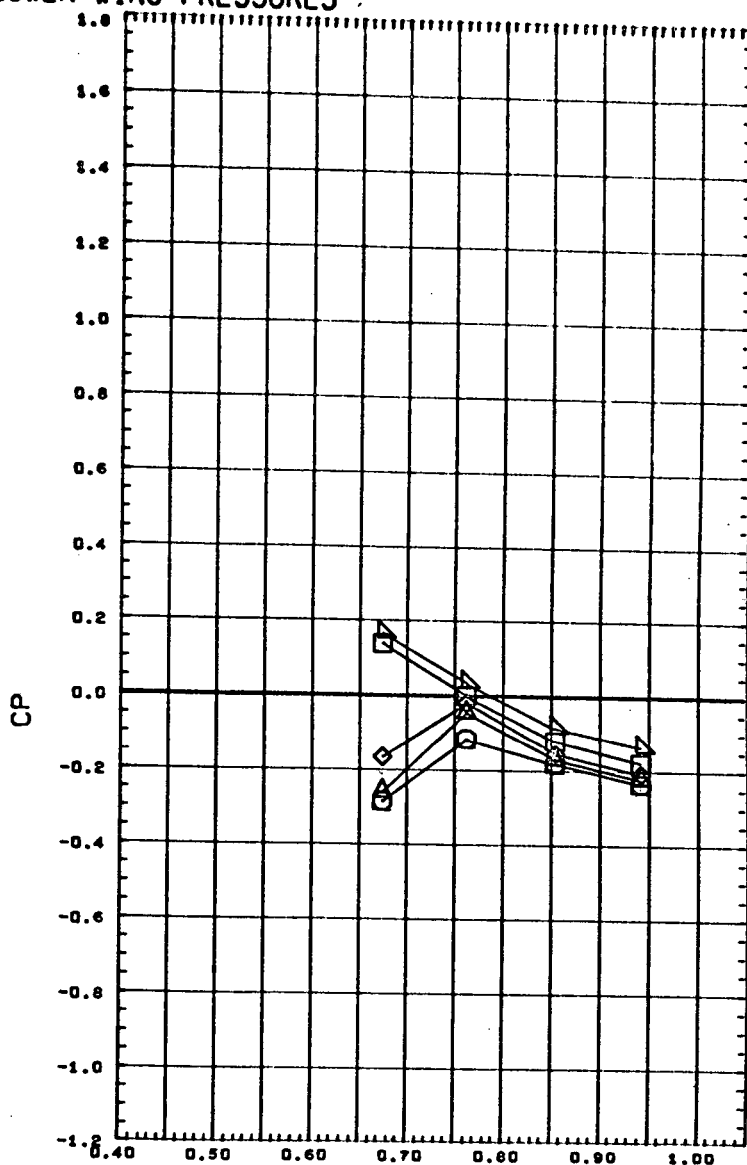
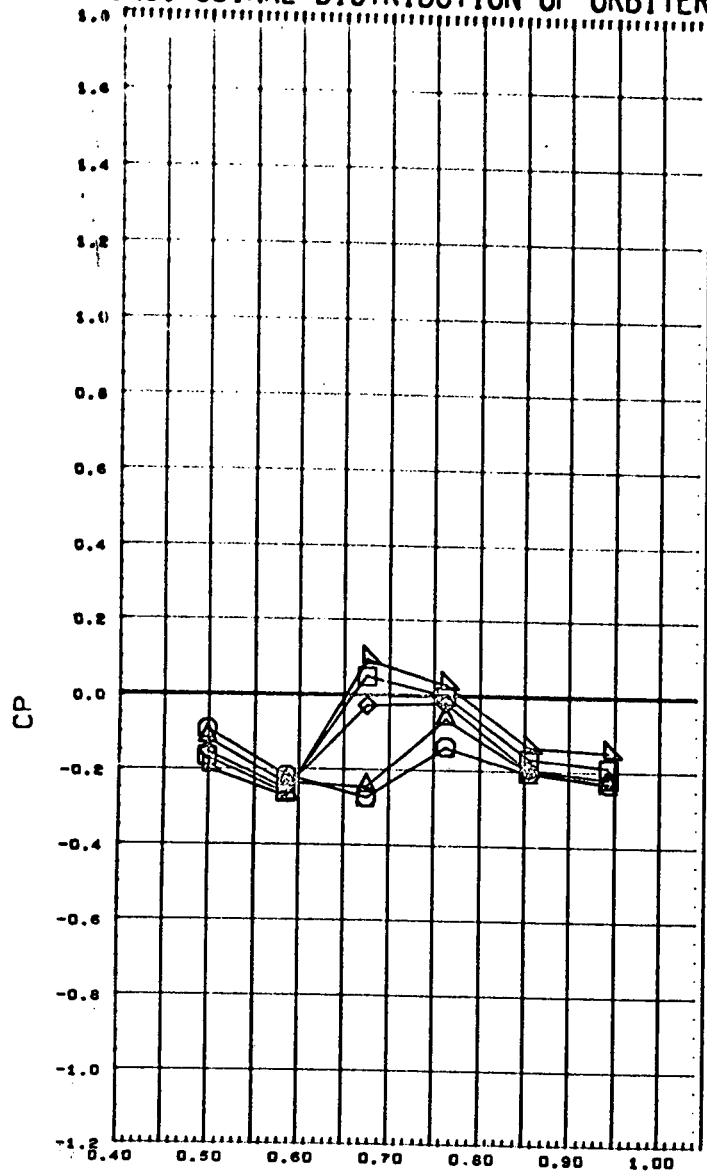


SYMBOL	ALFB	Y/B	M1
○	2.224	0.568	1.100
△	4.163	0.738	
◇	5.535		
□	7.787		
—△	10.190		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

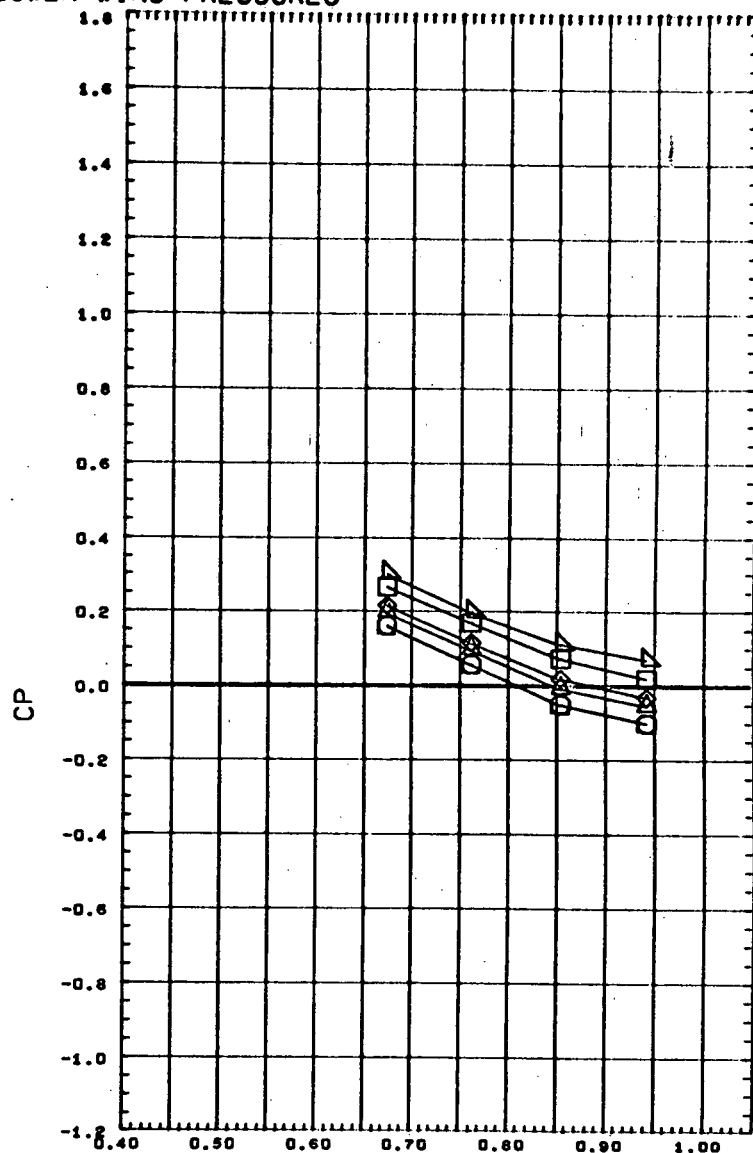
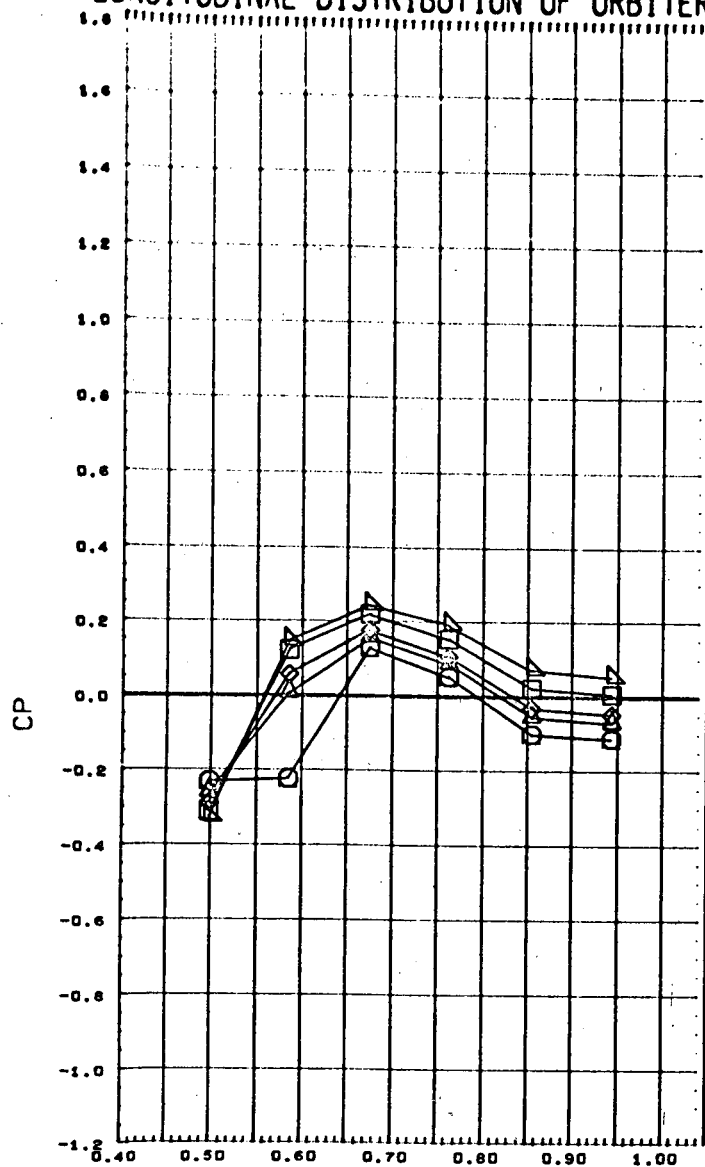


SYMBOL	ALFB	Y/B	M1
○	- 7.918	0.230	1.201
△	- 5.800	0.399	
◇	- 3.805		
□	- 1.810		
▽	0.192		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000 DX/L 0.036
I	1.900

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

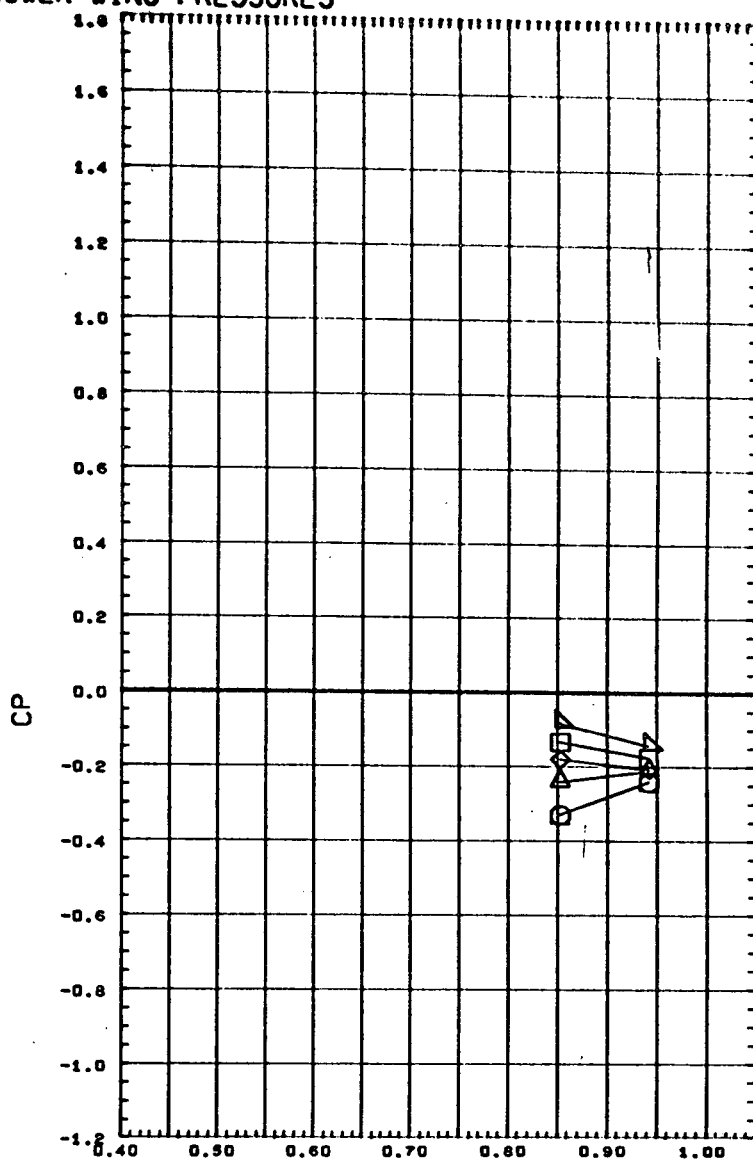
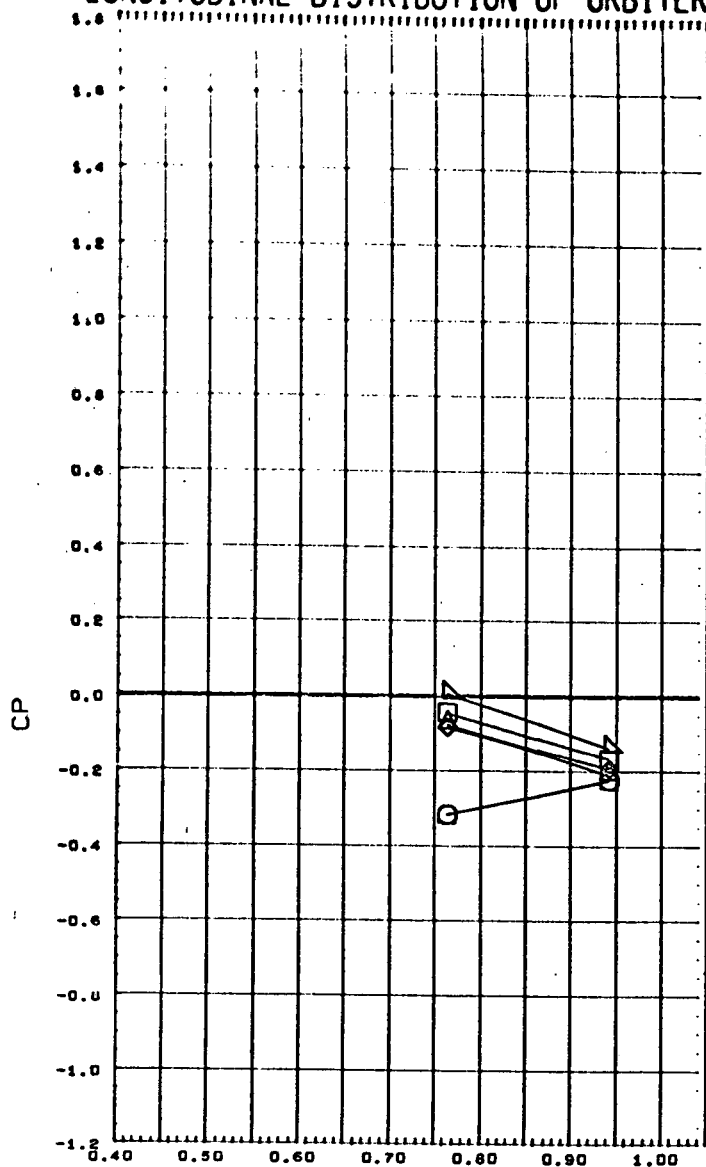
SYMBOL	ALFB	Y/B	M1
○	2.165	0.230	1.201
△	4.175	0.399	
□	5.542		
◇	7.781		
▽	10.179		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	
I	0.000	0.036
	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

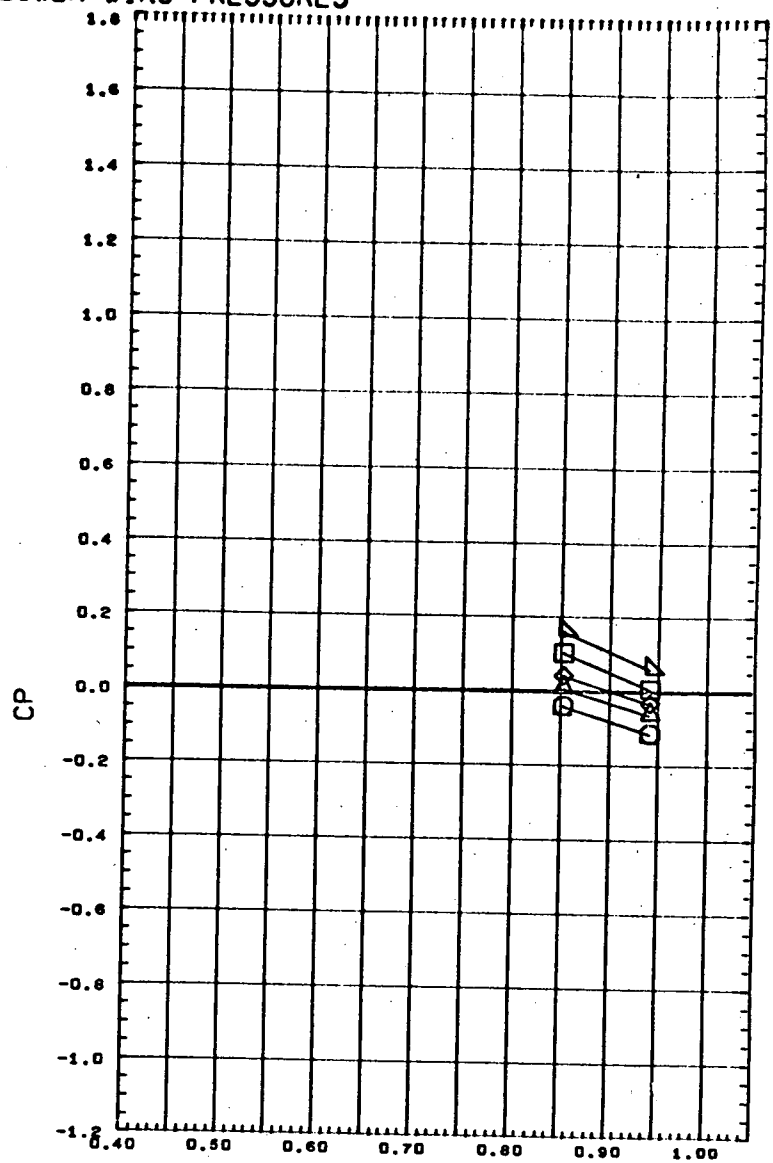
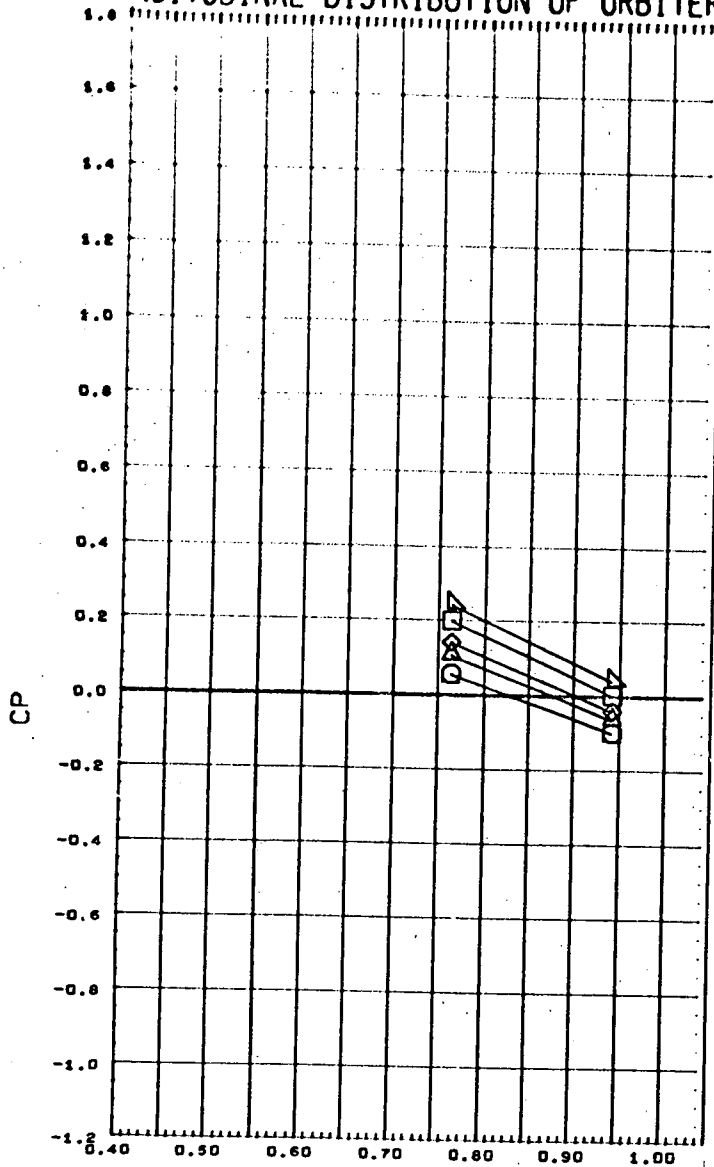


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.918	0.568	1.201
◇	- 5.800	0.738	
△	- 3.805		
□	- 1.810		
▽	0.192		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.165	0.568	1.201
△	4.175	0.738	
◇	5.542		
□	7.781		
×	10.179		

REFERENCE FILE

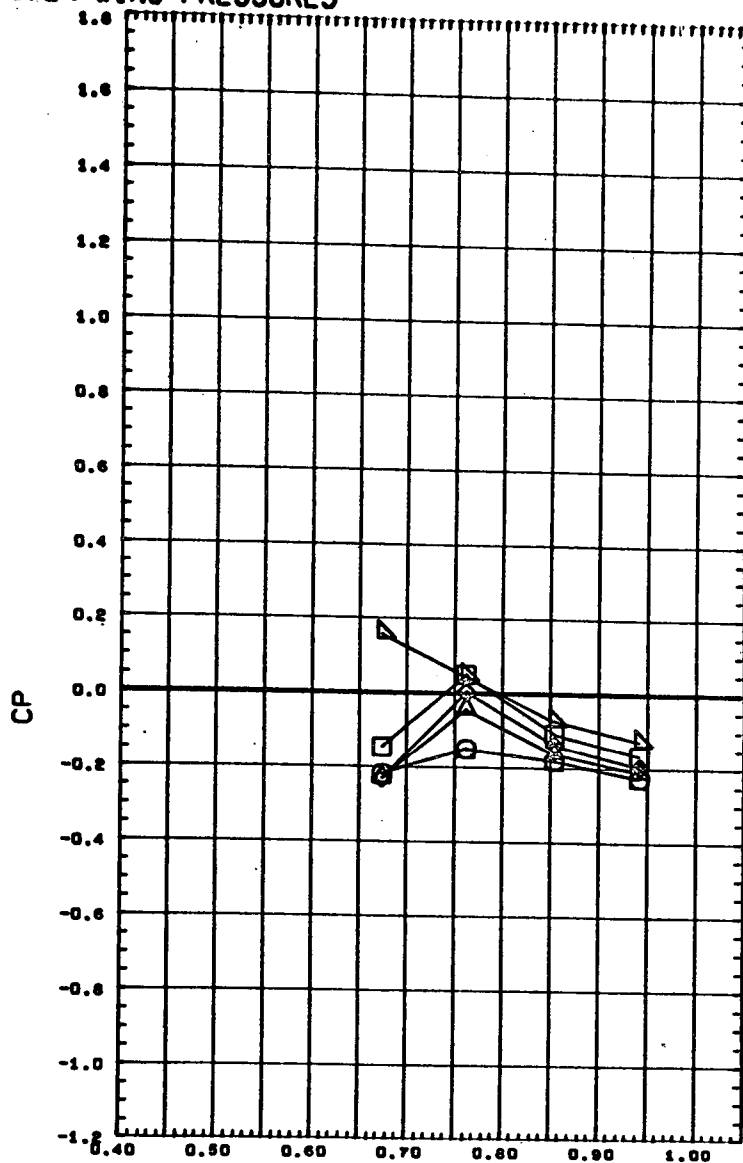
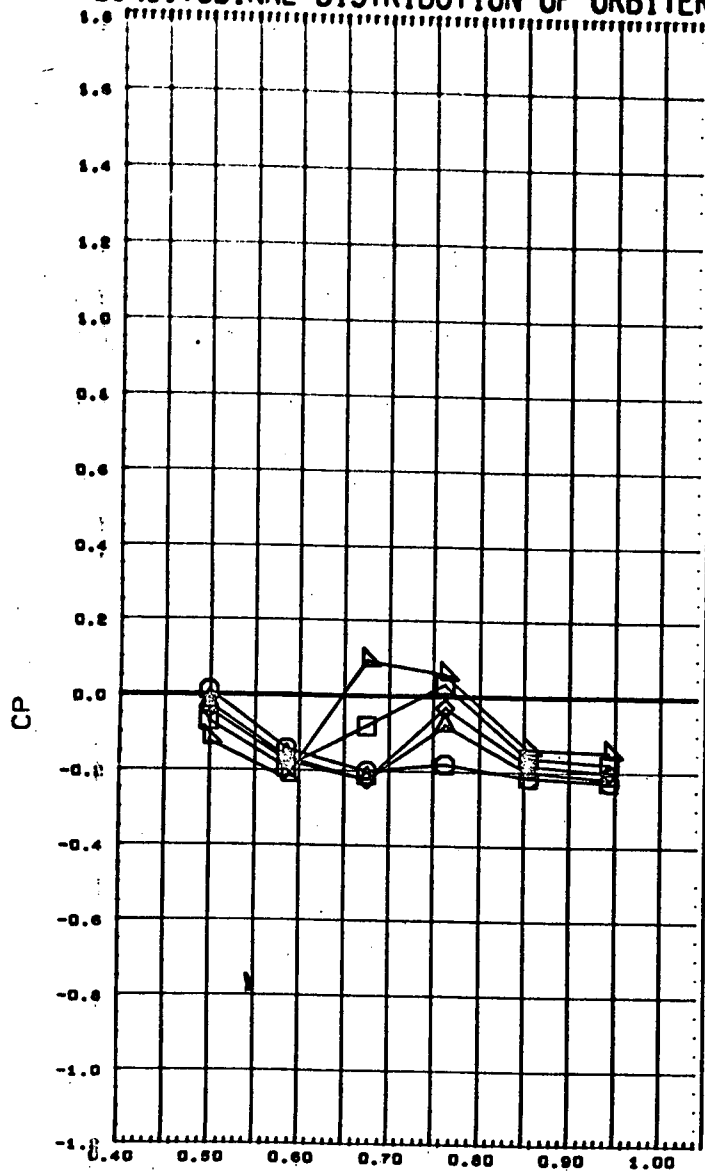
X/L

BETA	PARAMETRIC VALUES	DX/L	
0.000			0.036
1.900			

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC009)

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

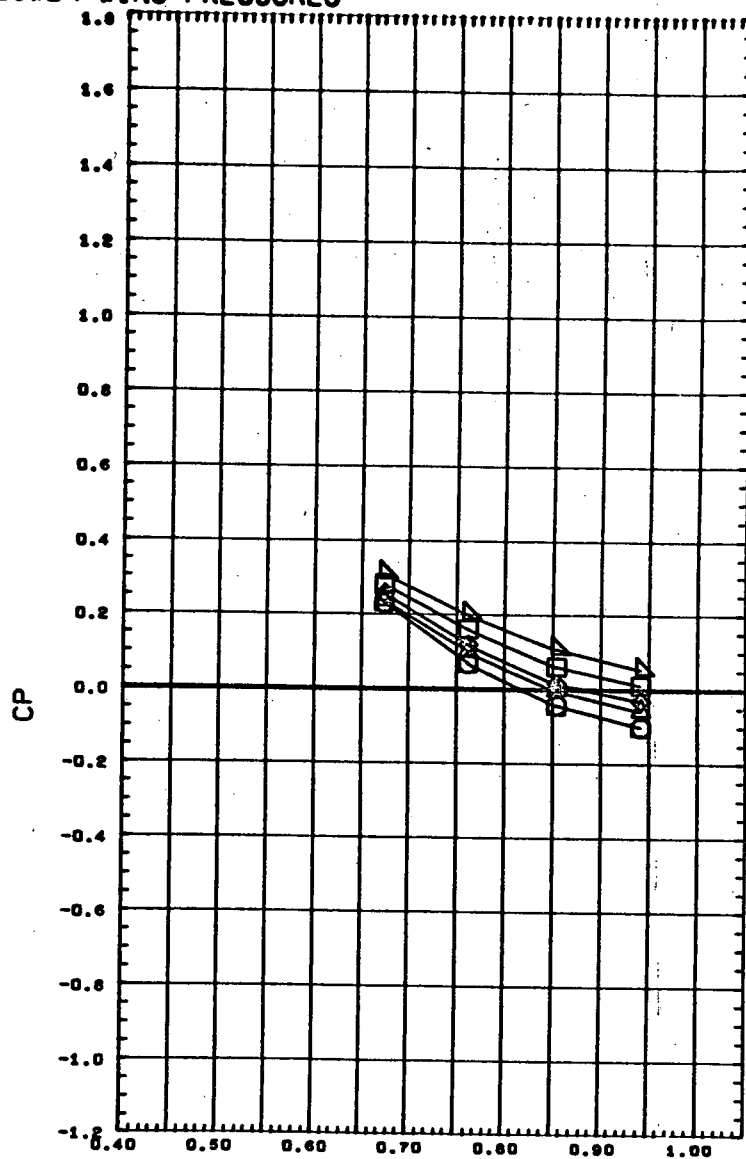
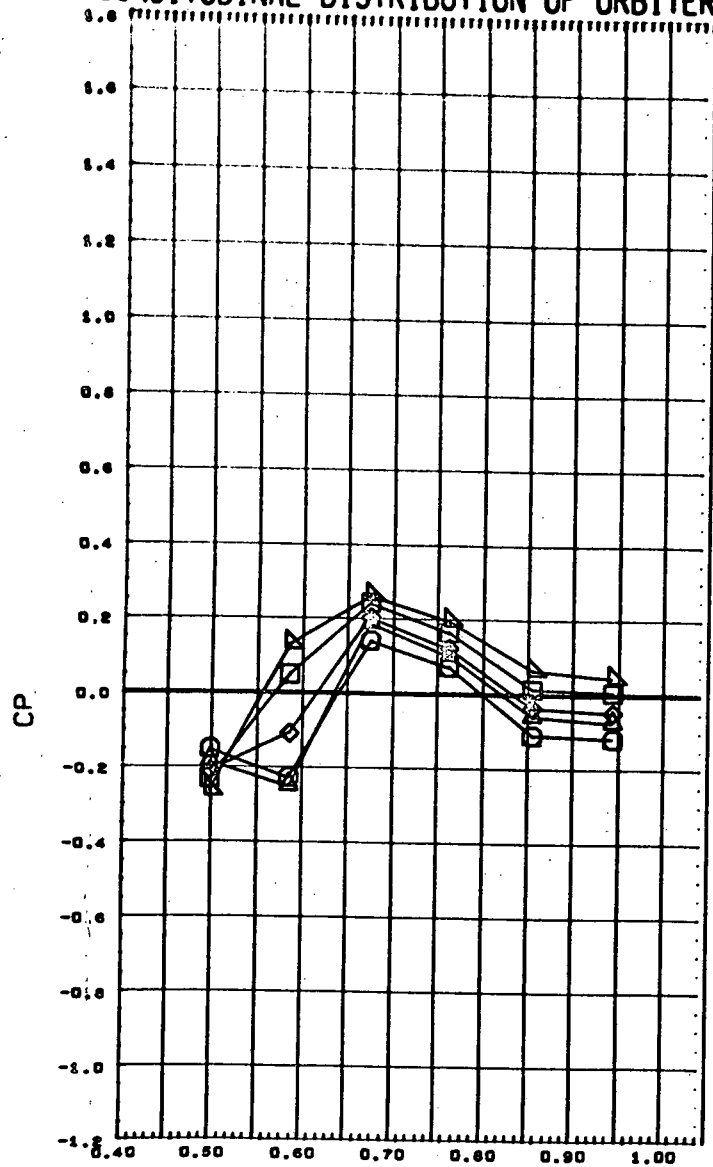
SYMBOL	ALFB	Y/B	M1
○	7.919	0.230	1.299
△	5.804	0.399	
◇	4.443		
□	2.184		
▽	0.212		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	0.000	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

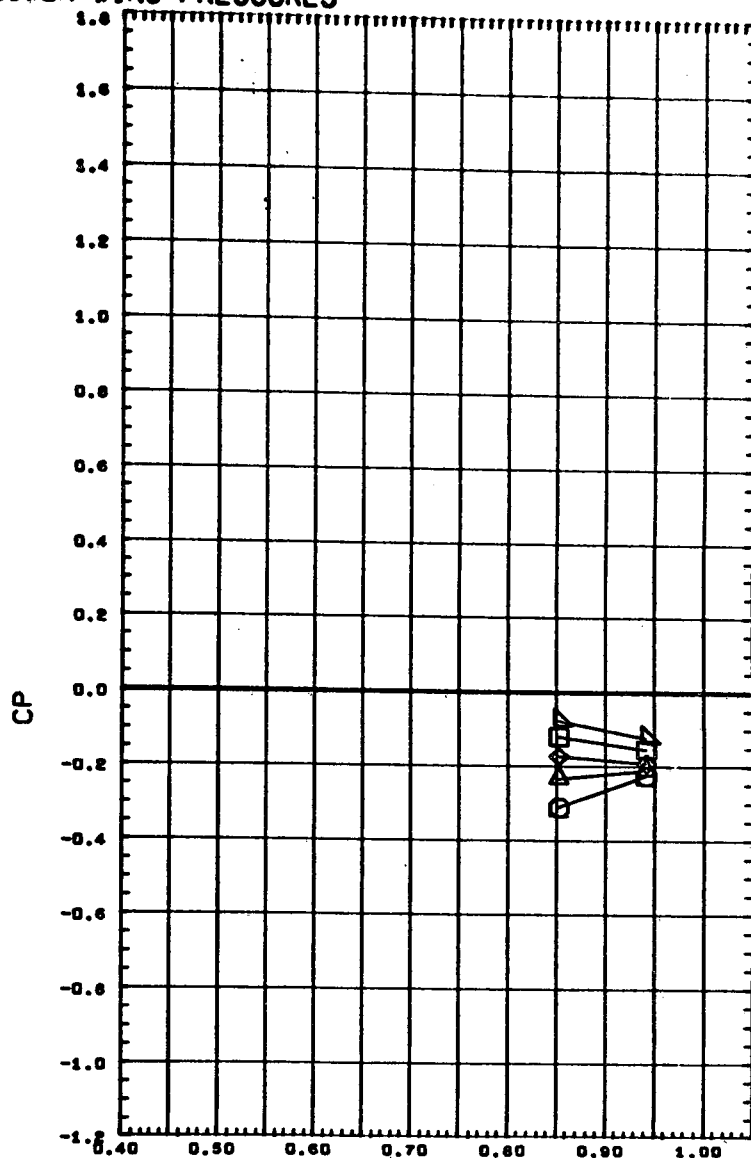
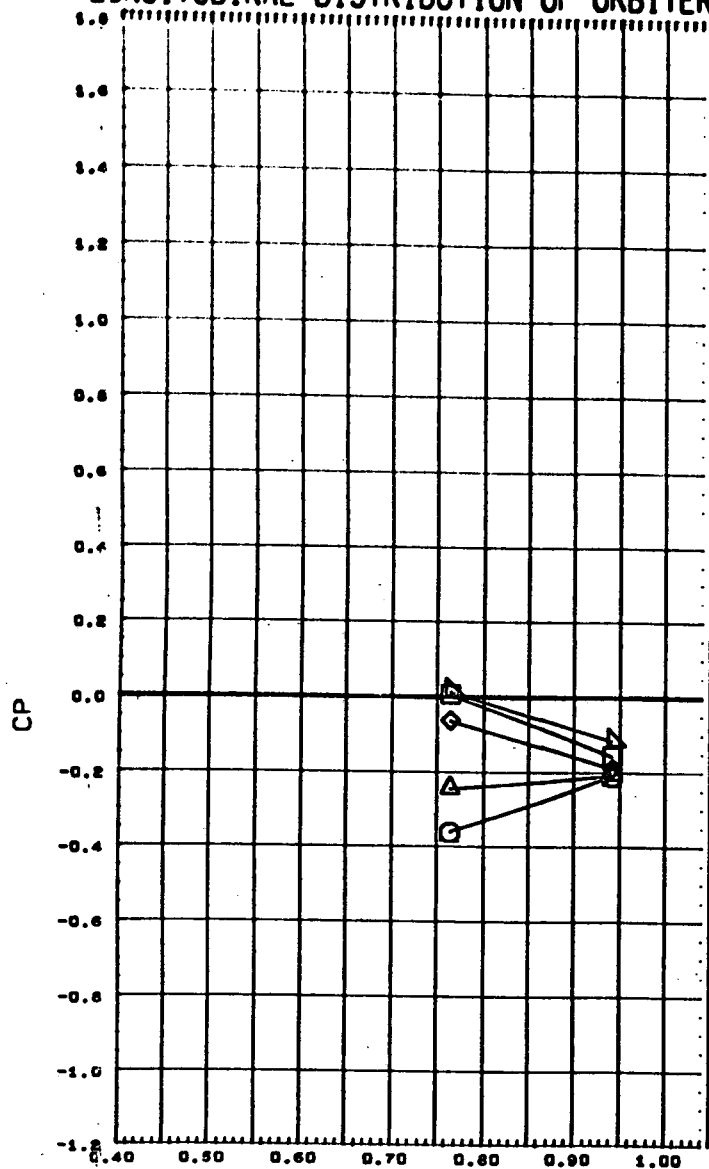


SYMBOL	ALFB	Y/B	M1
○	1.918	0.230	1.299
◇	4.204	0.399	
△	5.543		
□	7.781		
▽	10.179		

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L	0.038
I	0.000	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

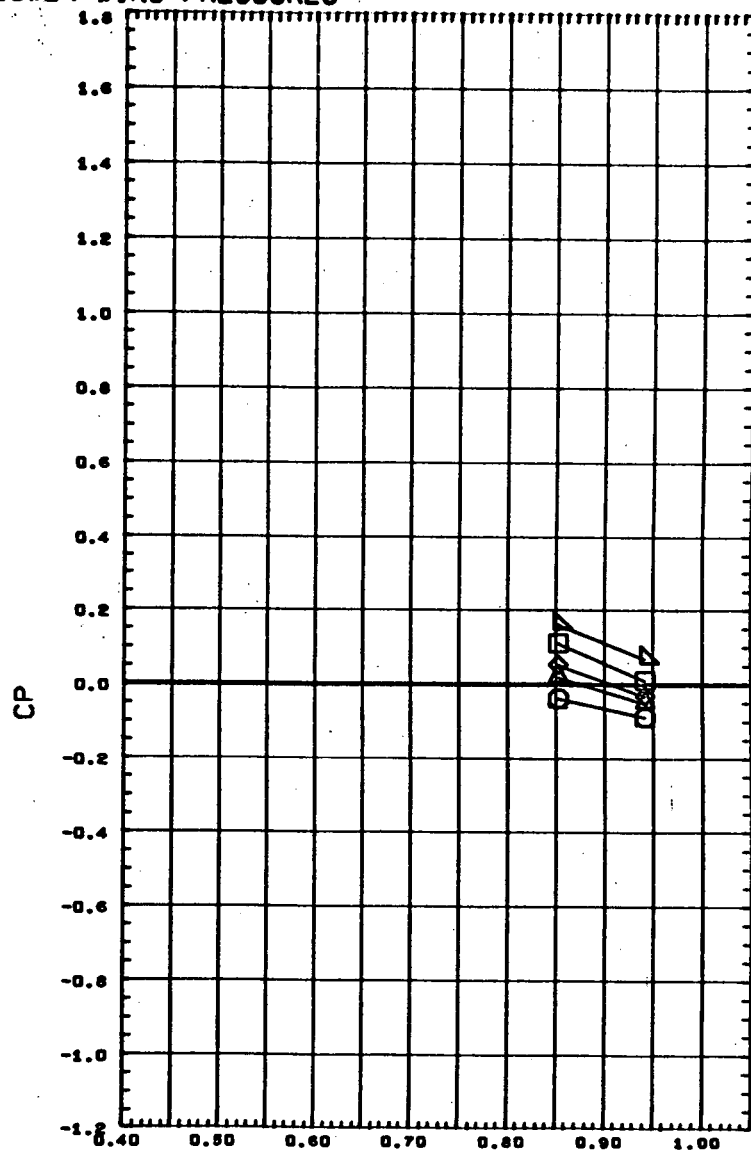
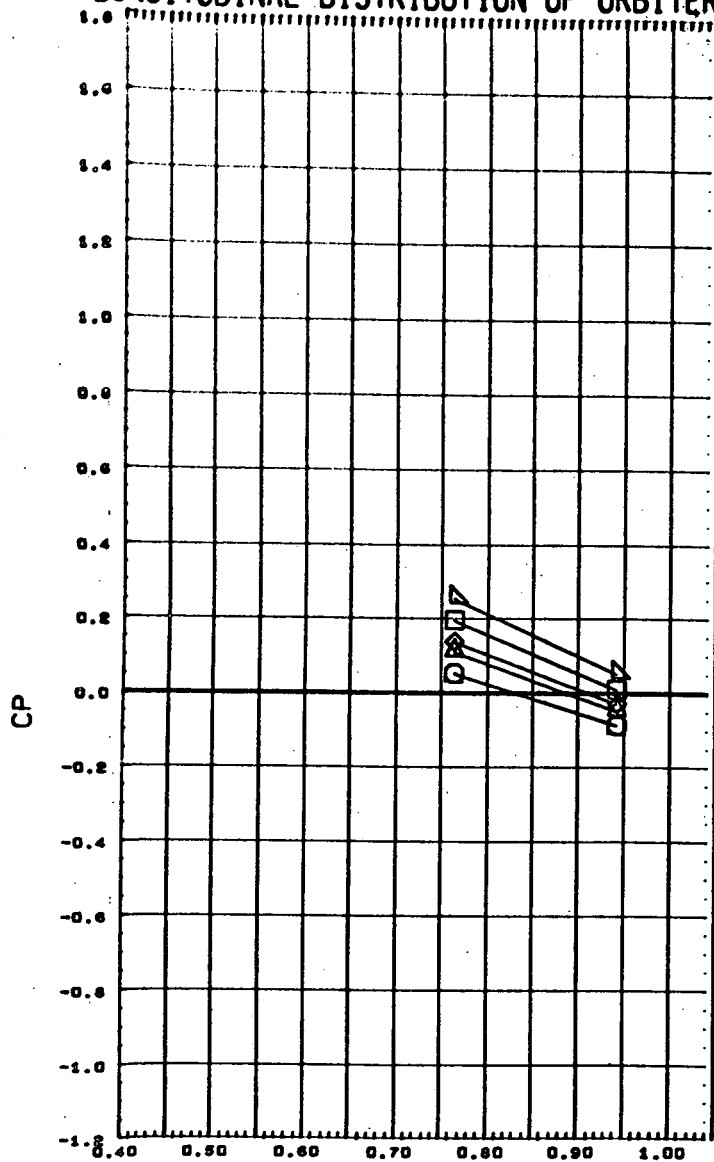


X/L			
SYMBOL	ALFB	Y/B	M1
◇	7.919	0.568	1.299
△	5.804	0.738	
□	4.443		
	2.184		
	0.212		

REFERENCE FILE

X/L			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

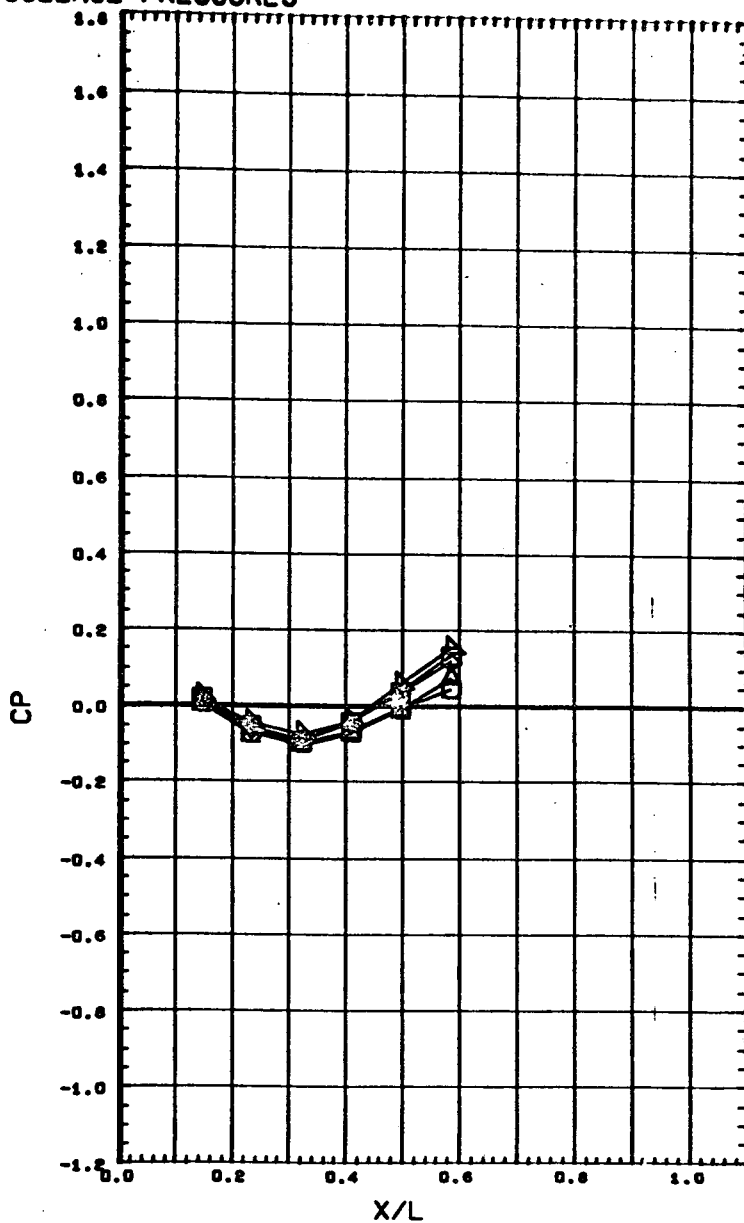
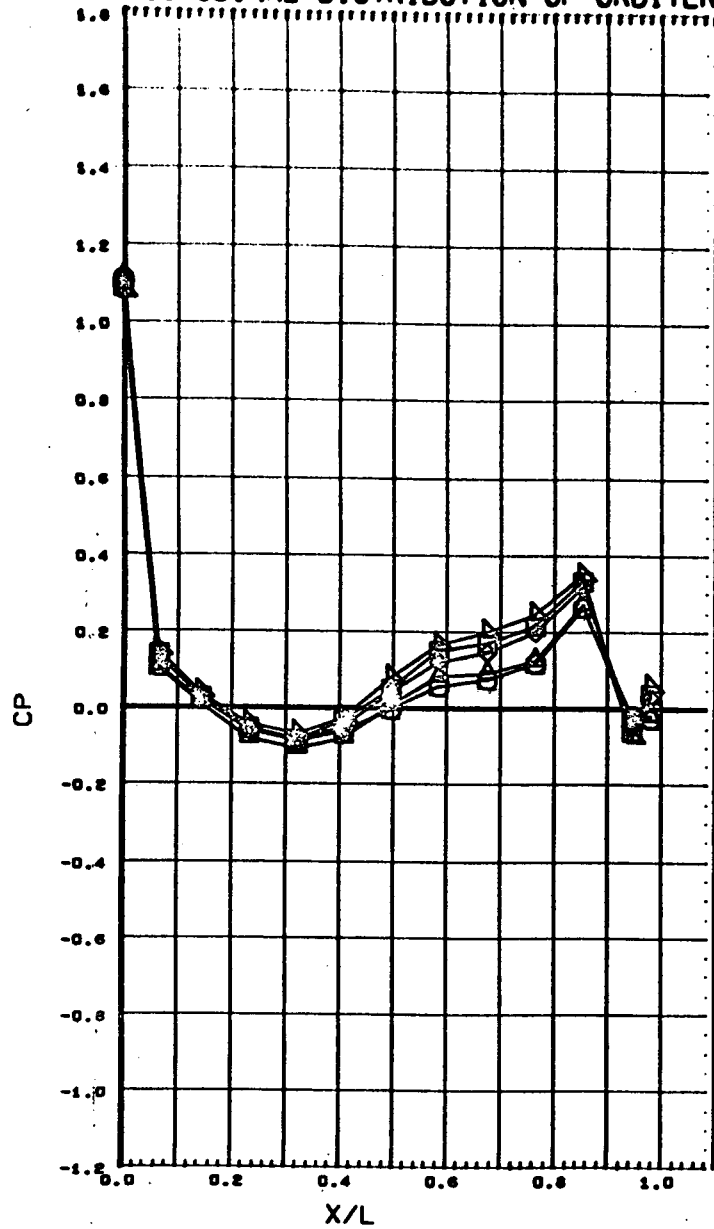


SYMBOL	ALFB	Y/B	M1
0	1.918	0.568	1.299
2	4.204	0.738	
4	9.543		
6	7.701		
8	10.179		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	0.036
I	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

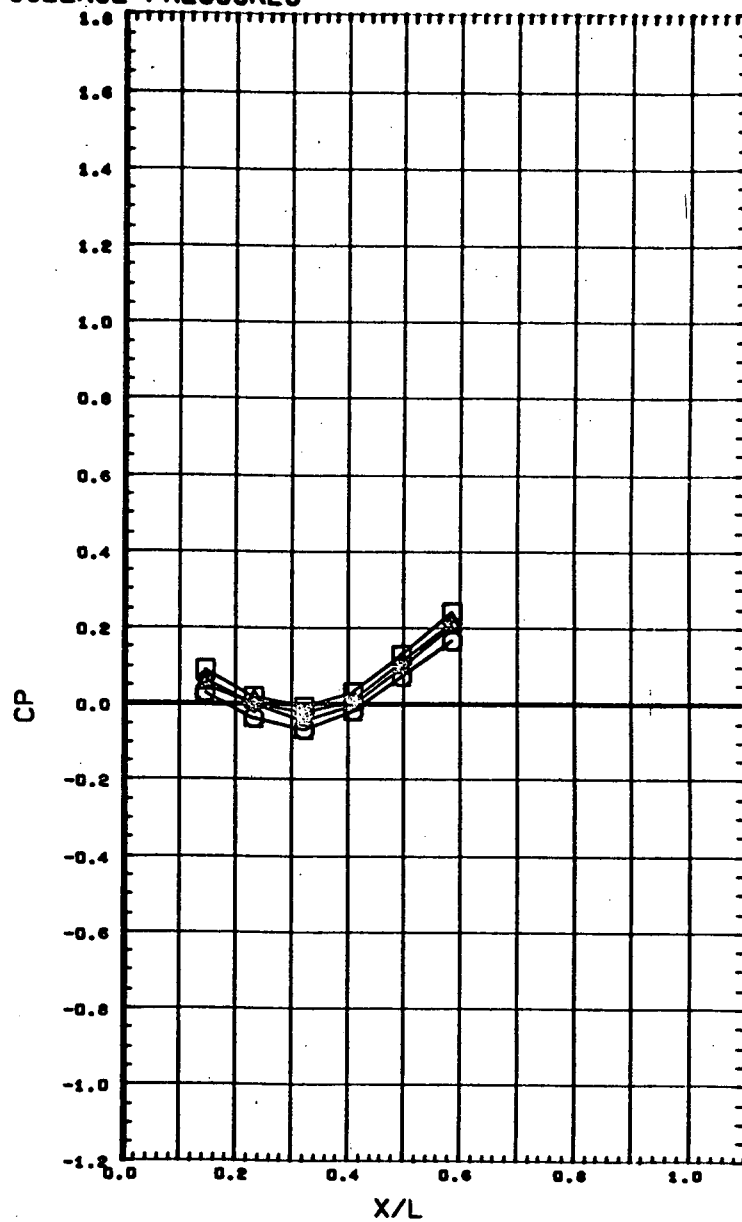
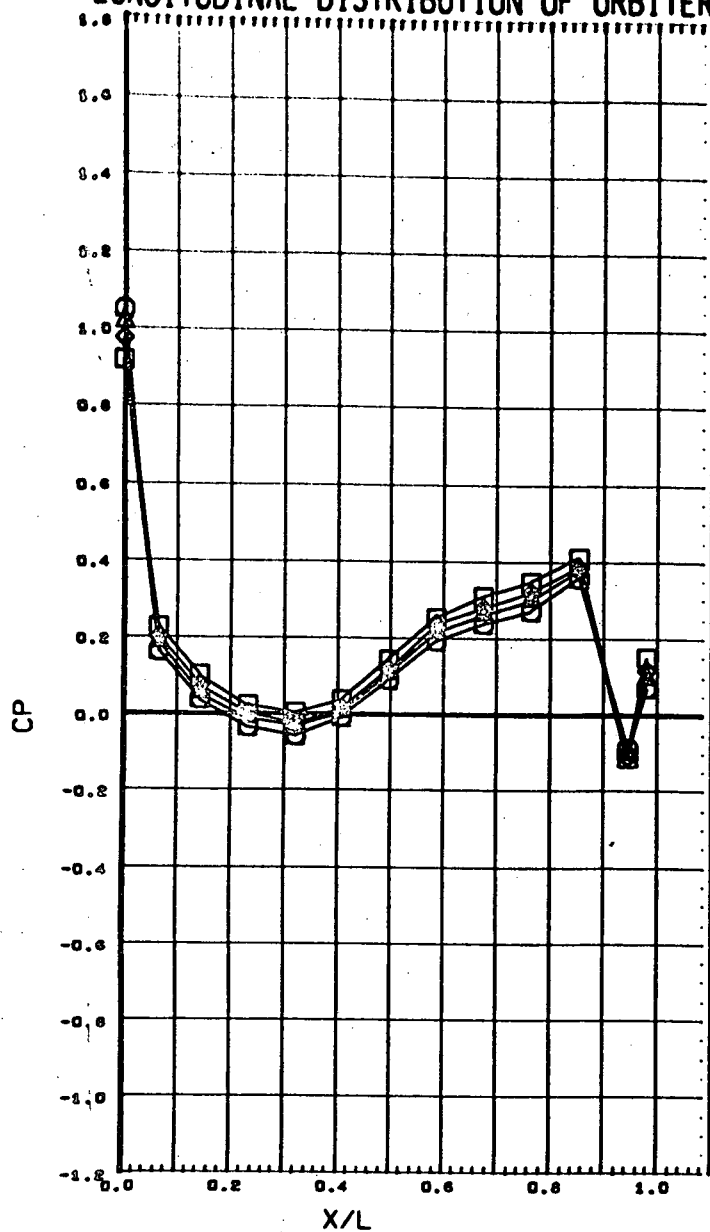


SYMBOL	ALPB	Y/B	M1
○	8.145	0.000	0.602
△	8.431	0.076	
◇	1.886		
□	0.118		
▽	2.110		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	0.036
I	0.000	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	4.101	0.000	0.602
△	6.090	0.076	
◇	7.692		
□	10.115		

BETA	PARAMETRIC VALUES	0.000	0.036
I	3.600		

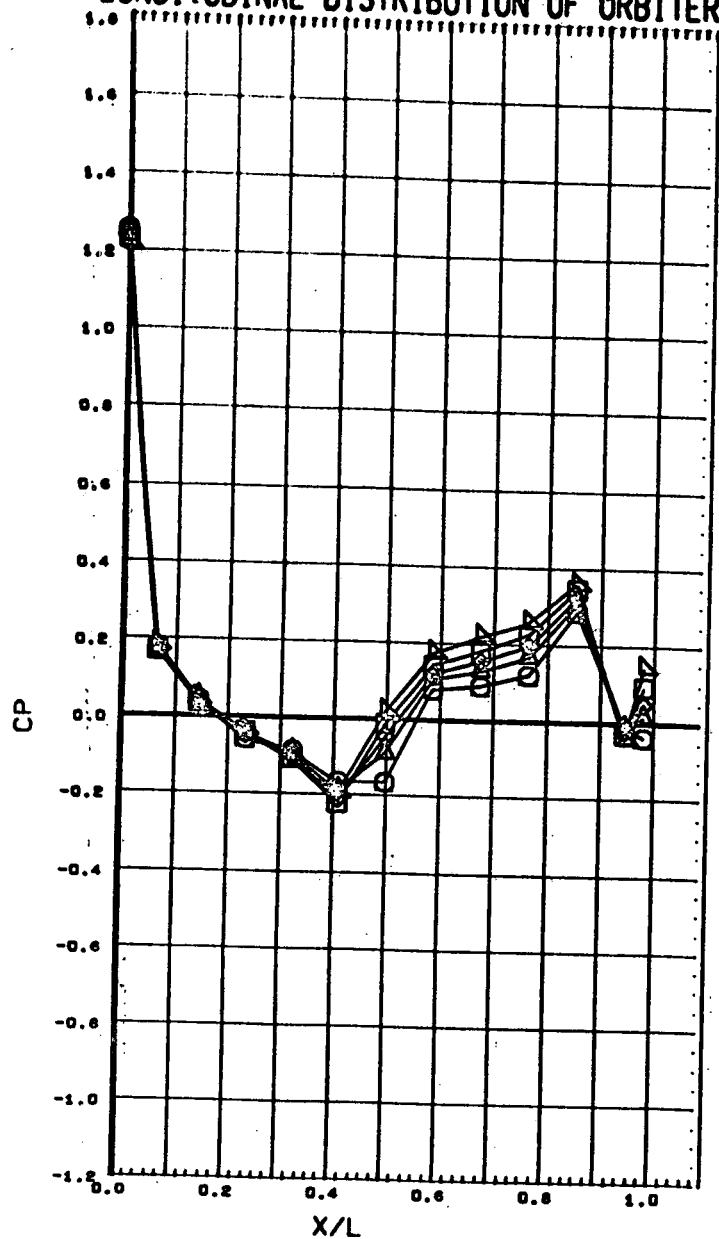
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AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

(FTC010)

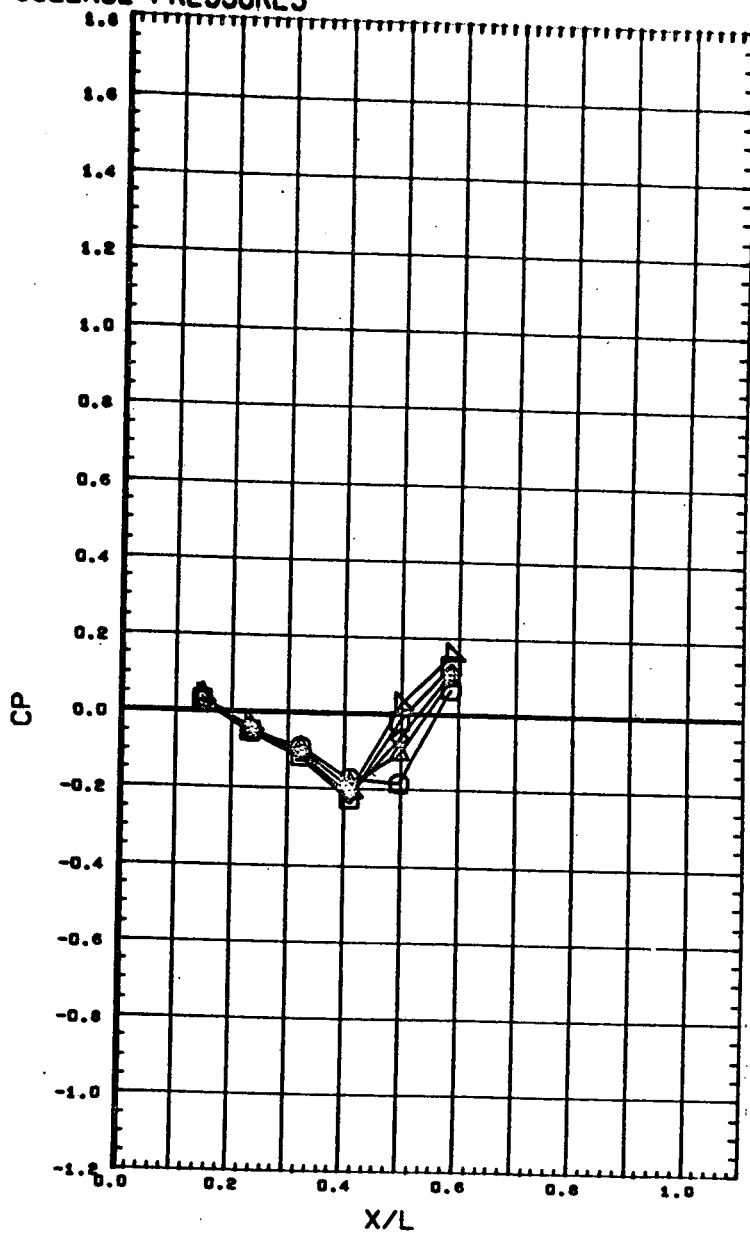
PAGE 263

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



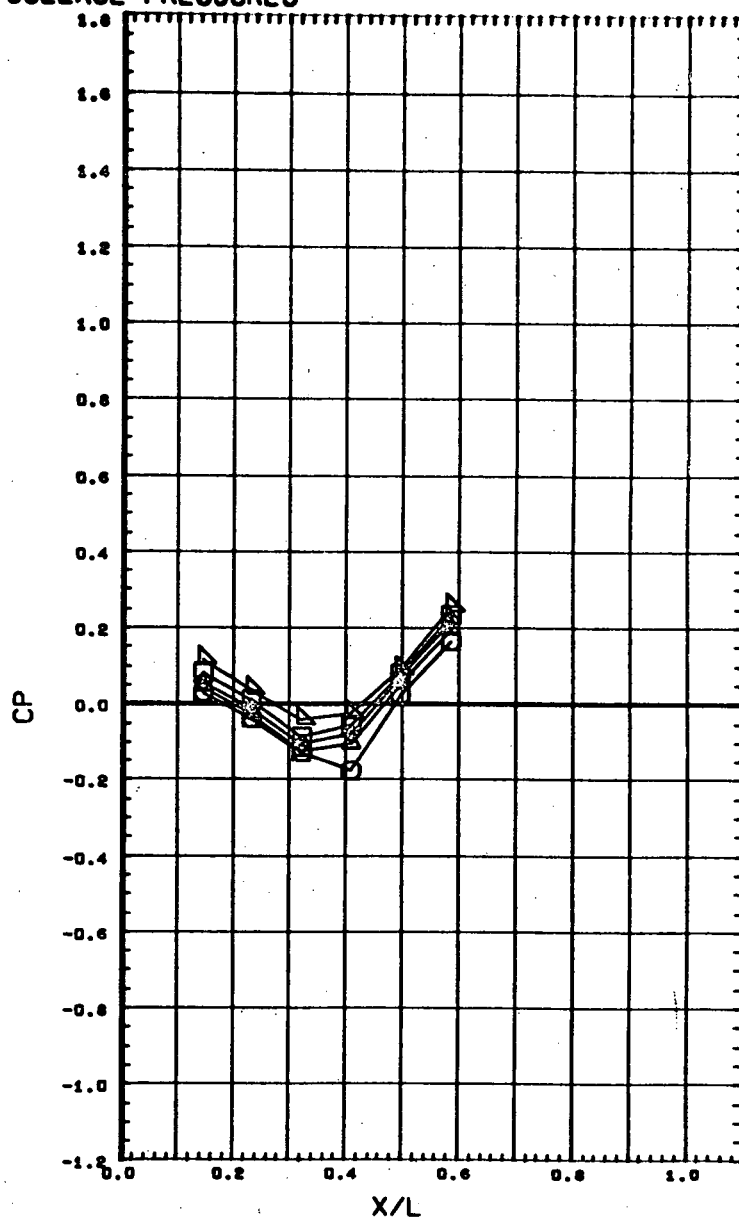
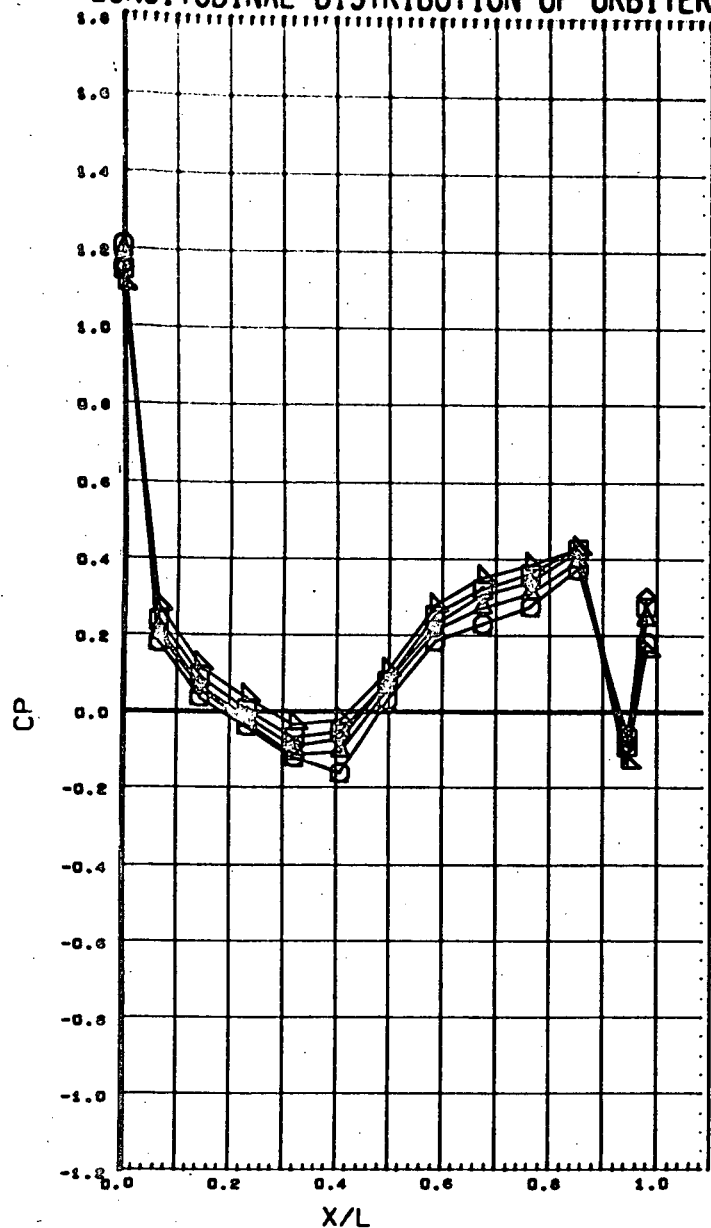
SYMBOL	ALFB	Y/B	M1
○	- 8.247	0.000	0.902
△	- 5.823	0.076	
◇	- 3.835		
□	- 1.848		
■	0.126		

REFERENCE FILE



BETA	PARAMETRIC VALUES	OX/L
0.000		0.036
1	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

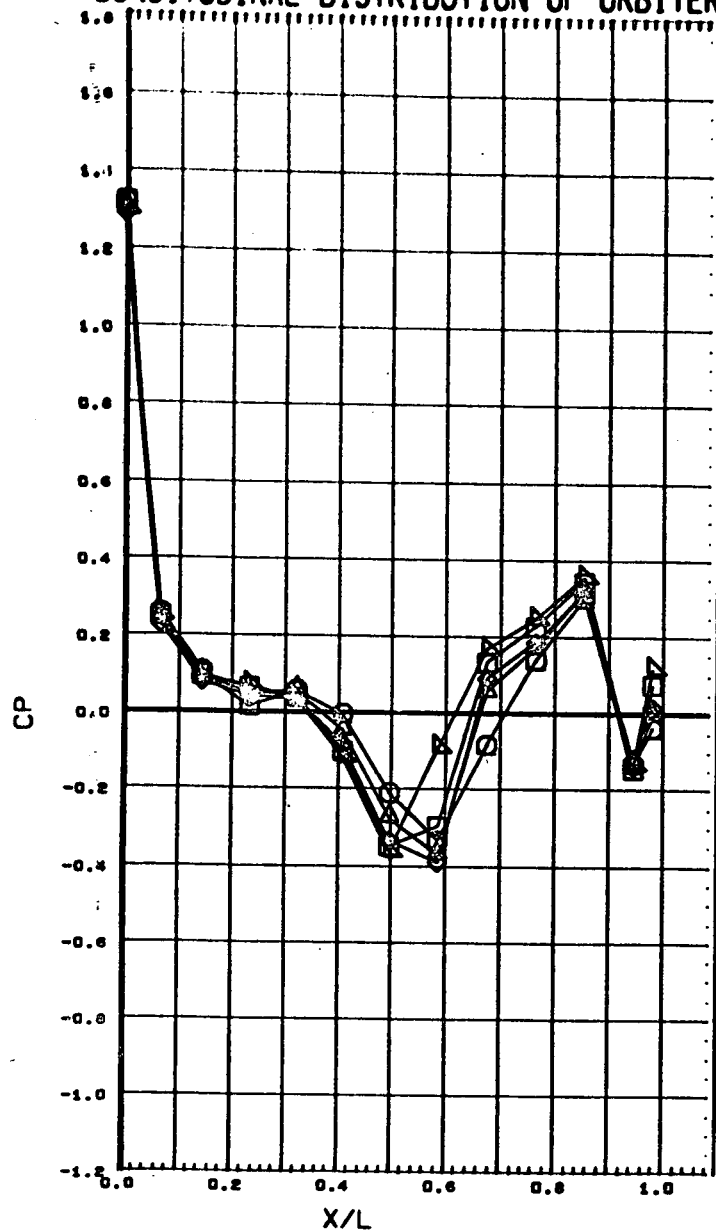


SYMBOL	ALFB	Y/B	M1
○	1.552	0.000	0.902
△	3.765	0.076	
◇	6.165		
□	7.507		
▽	9.767		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	OX/L
I	3.800	0.036

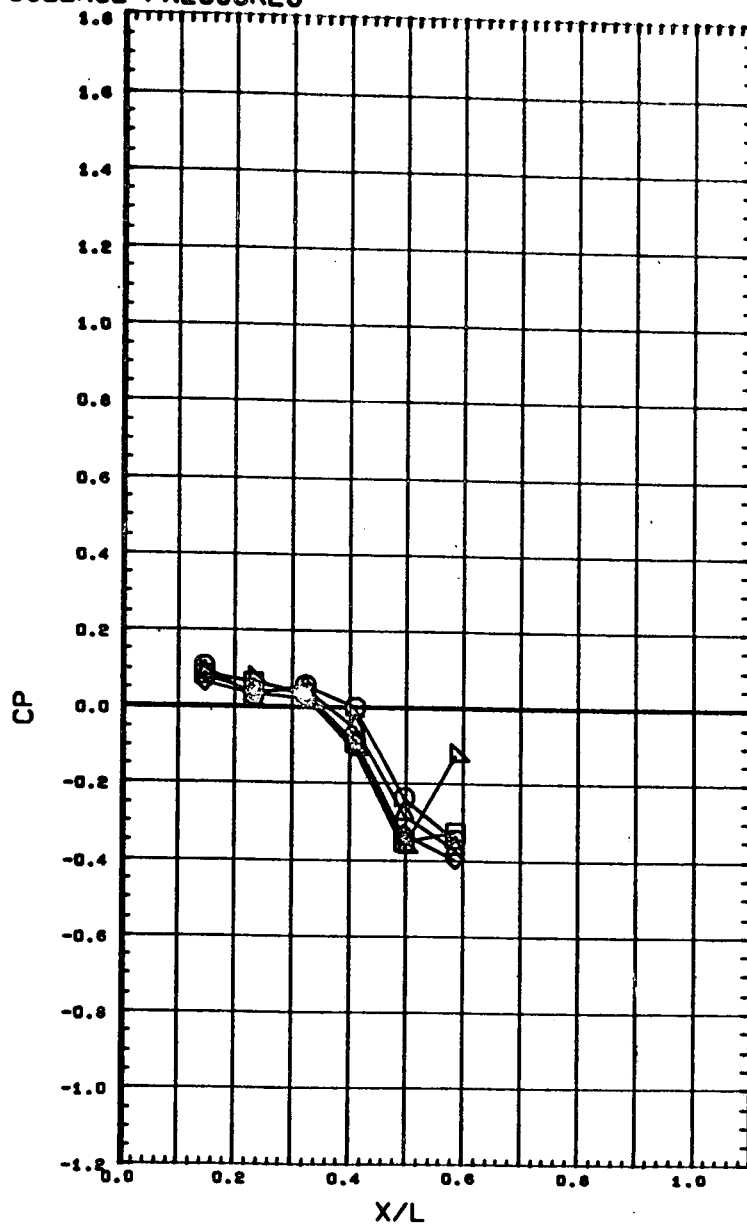
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	8.294	0.000	1.002
△	5.781	0.076	
◇	3.822		
□	1.824		
▽	0.452		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

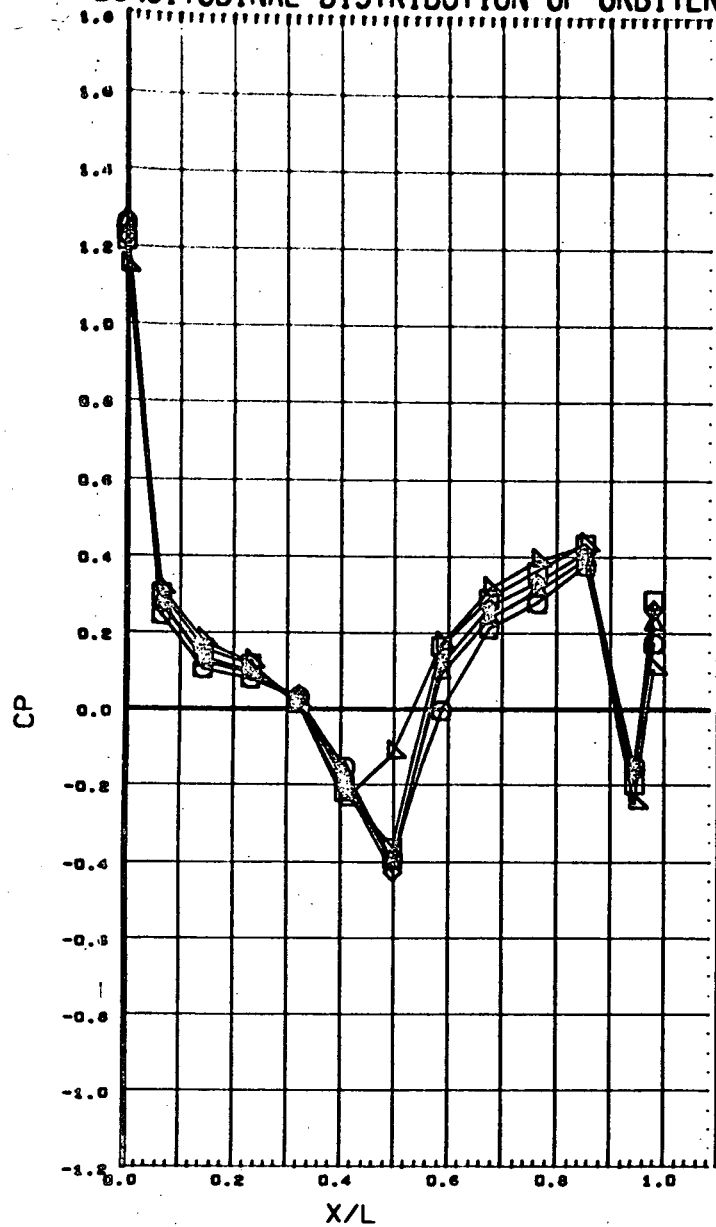


PARAMETRIC VALUES		
BETA	0.000	DX/L
I	3.600	0.036

(FTC010)

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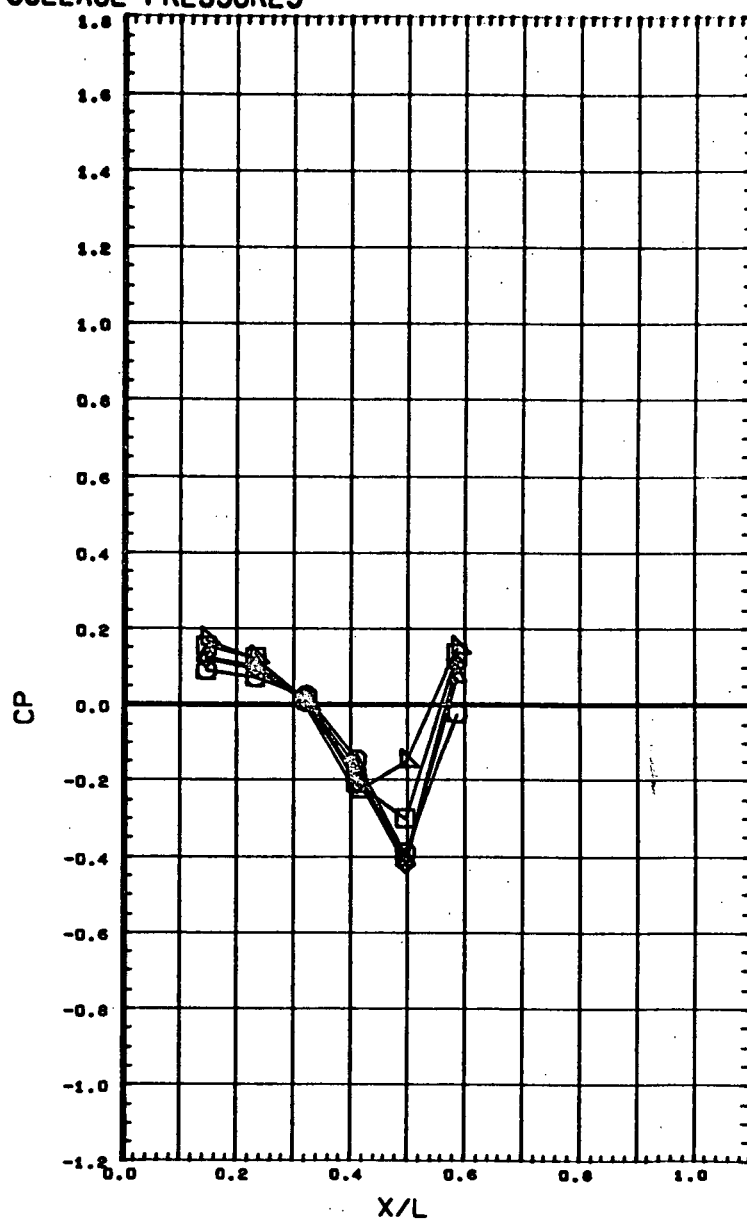
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.116	0.000	1.002
◇	4.156	0.076	
△	5.934		
□	7.374		
◇	10.204		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

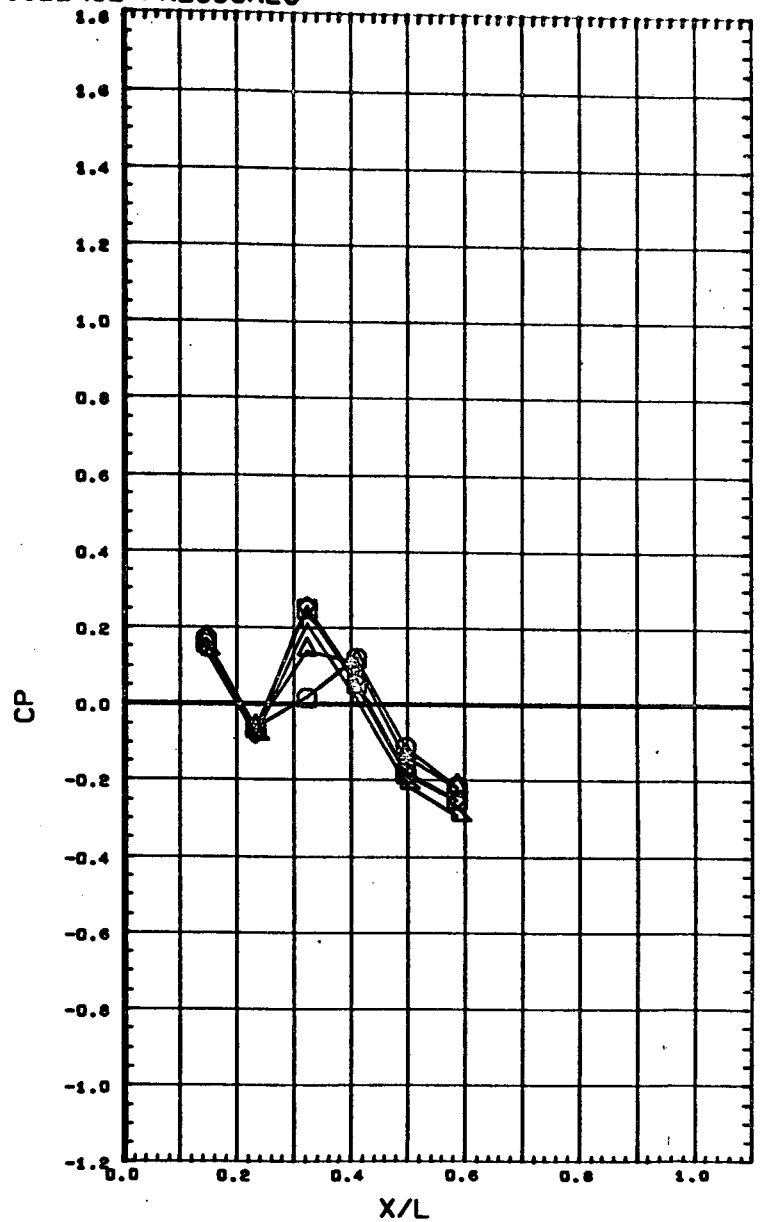
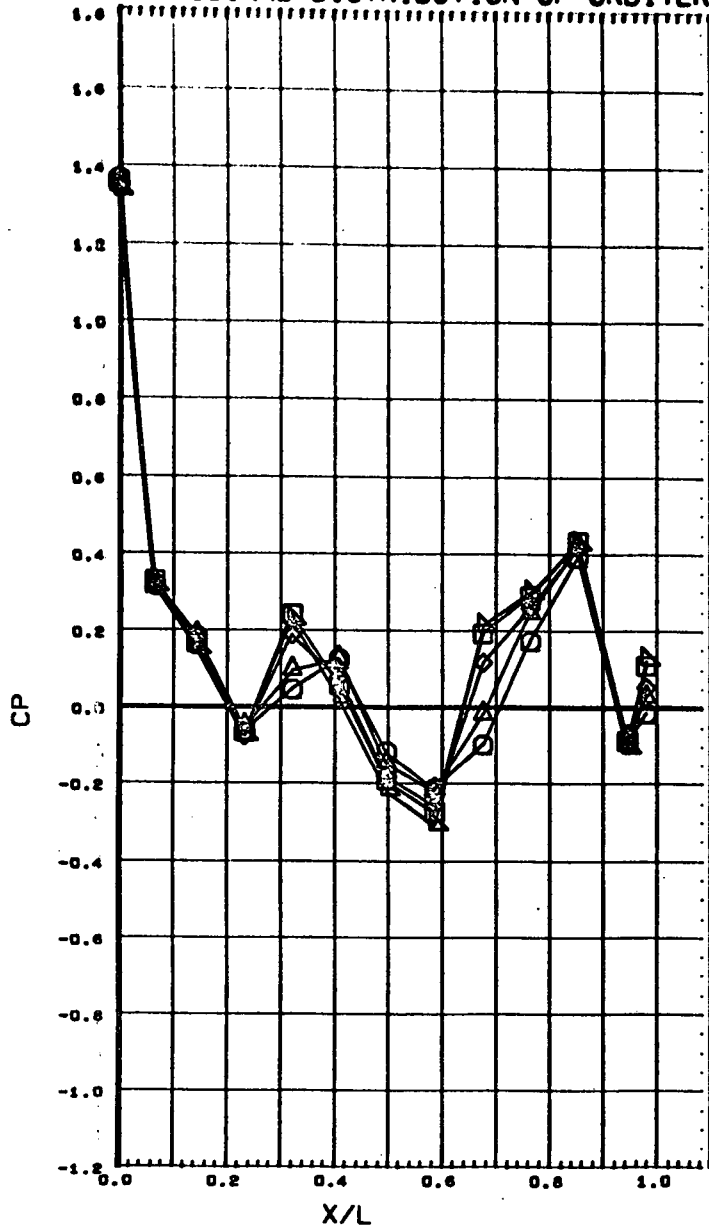


PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	3.600		

(FTC010)

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

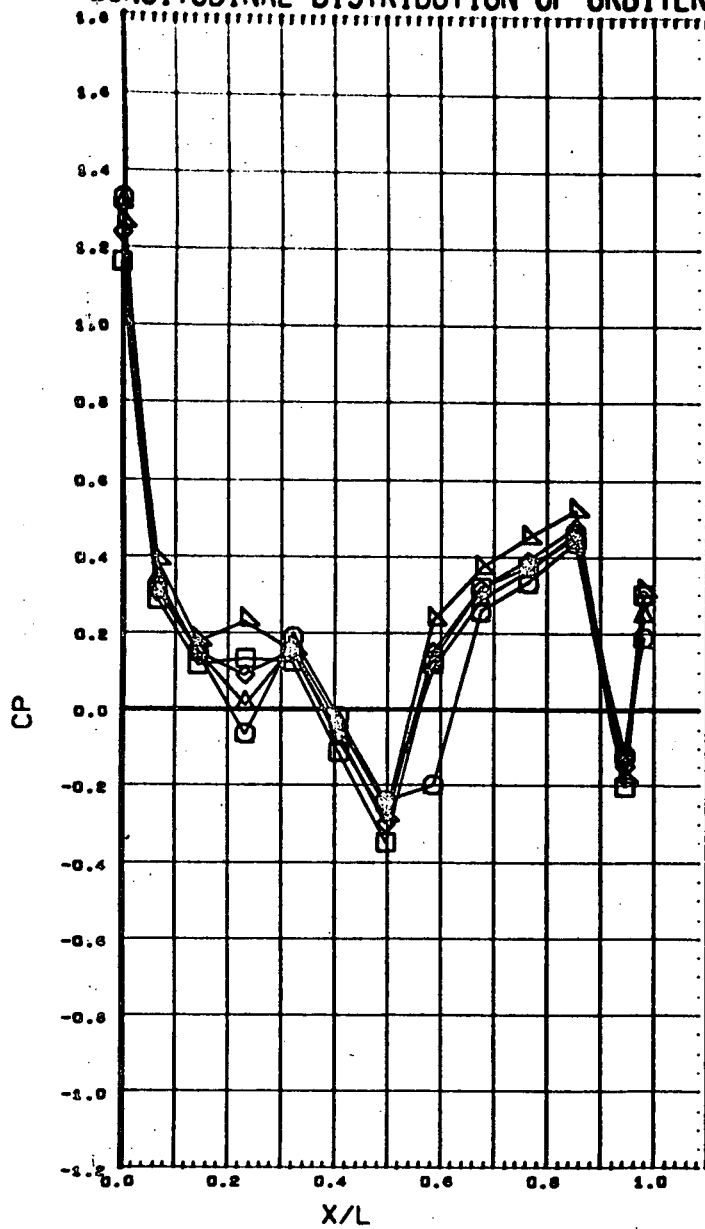


SYMBOL	ALFB	Y/B	M1
○	- 8.281	0.000	1.099
△	- 5.784	0.076	
◇	- 3.817		
□	- 1.823		
▽	- 0.455		

REFERENCE FILE

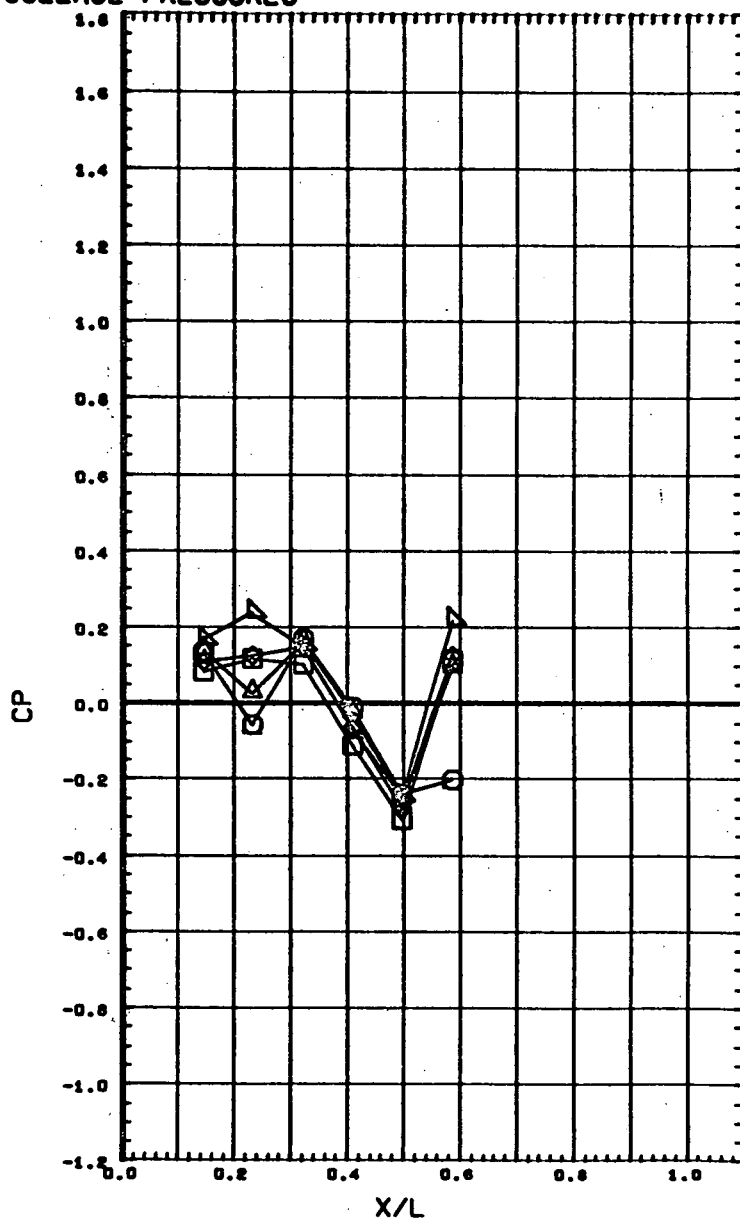
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



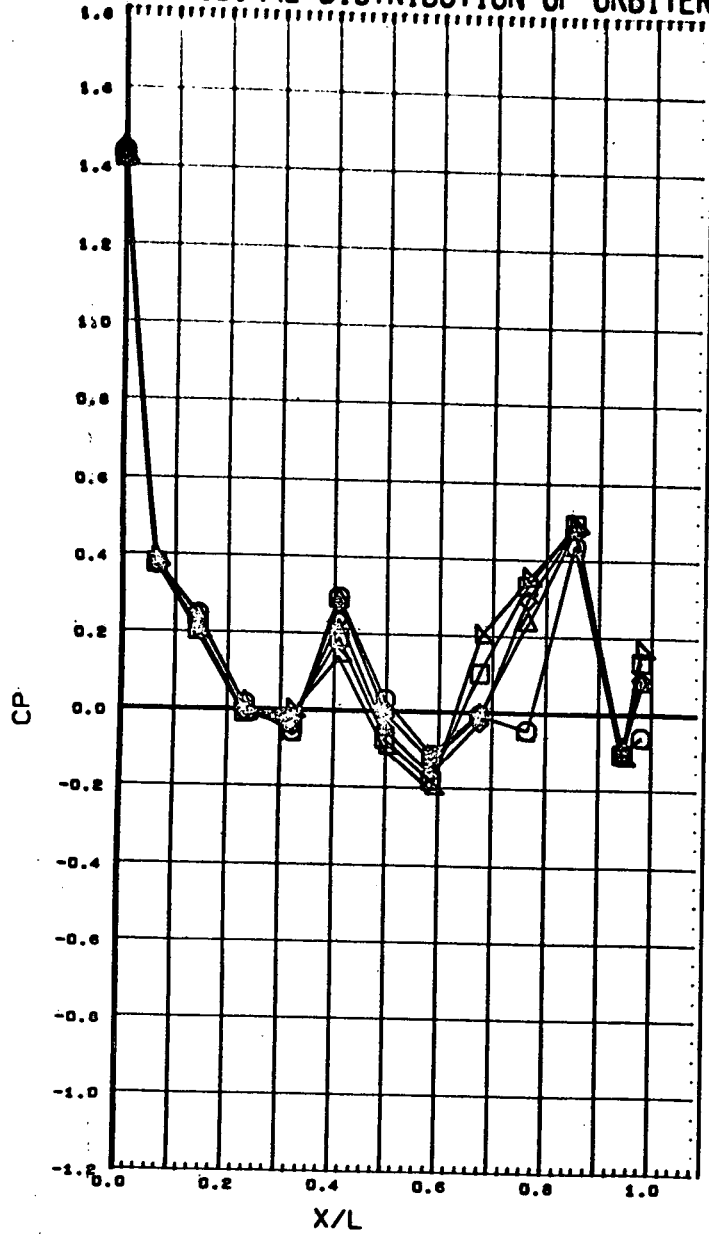
SYMBOL	ALPB	Y/B	M1
○	2.207	0.000	1.099
△	4.159	0.076	
◇	6.174		
□	8.149		
◻	9.546		

REFERENCE FILE



BETA	PARAMETRIC VALUES	DX/L	
1	0.000	3.600	0.036

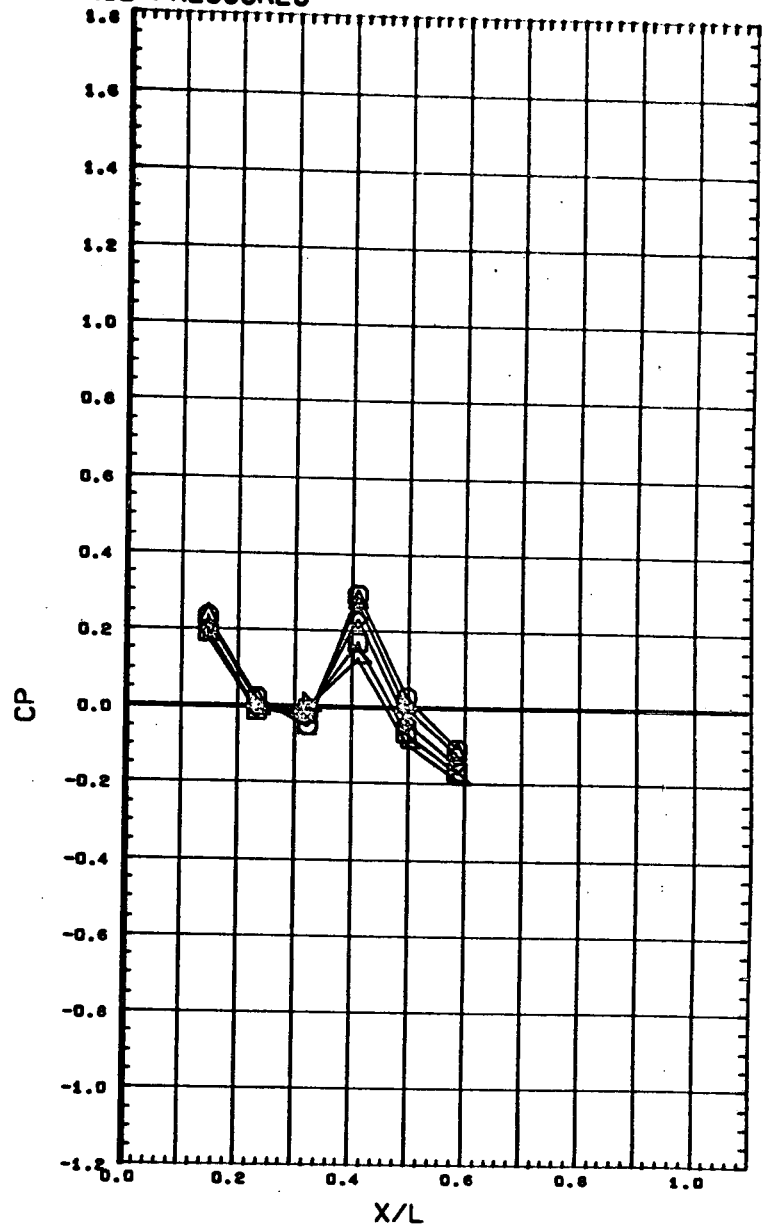
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	- 8.310	0.000	1.199
△	- 5.780	0.076	
◇	- 3.815		
□	- 1.813		
▽	- 0.450		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

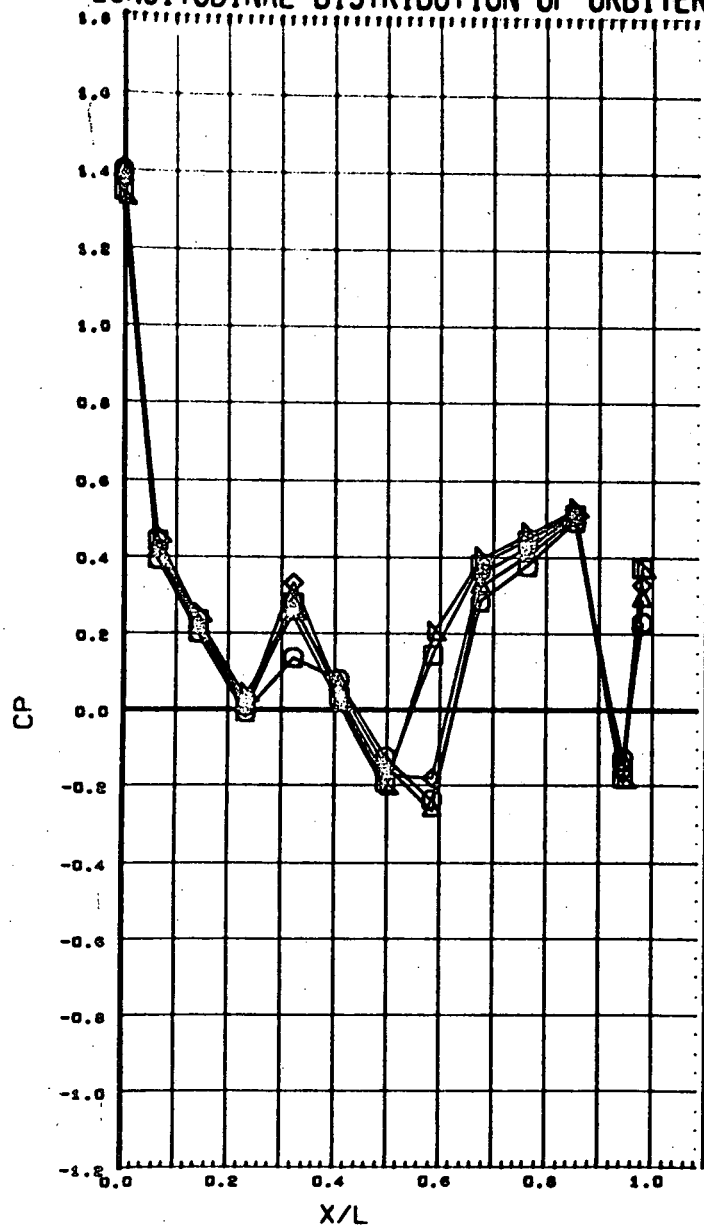


PARAMETRIC VALUES		
BETA	0.000	OX/L
I	3.800	0.036

(FTC010)

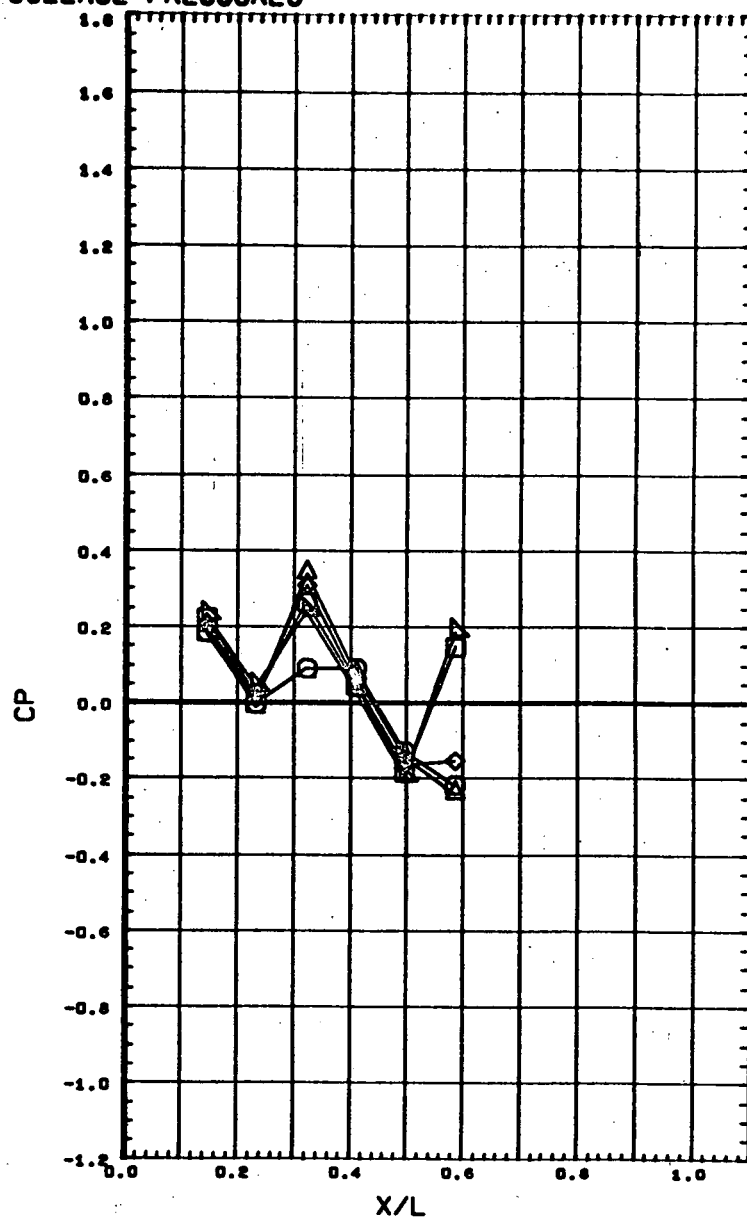
PAGE 270

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



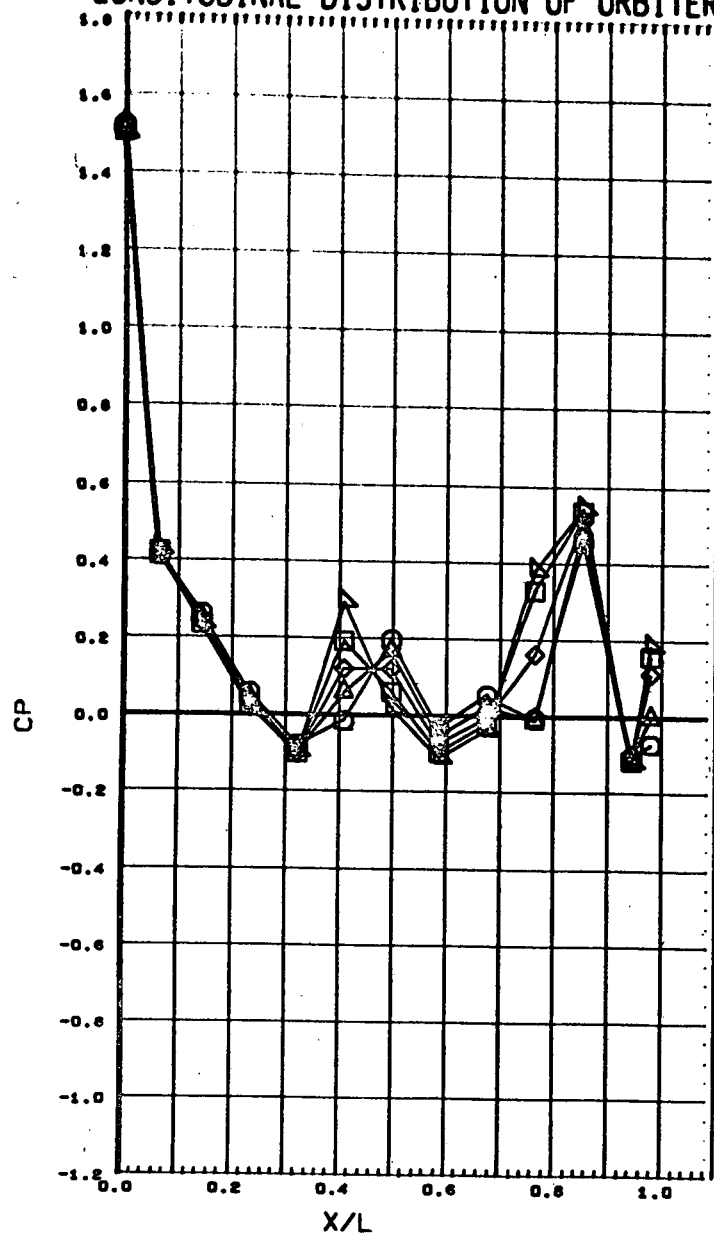
SYMBOL	ALFB	Y/B	M1
○	2.219	0.000	1.199
△	4.179	0.076	
◇	6.175		
□	8.168		
◇	9.932		

REFERENCE FILE



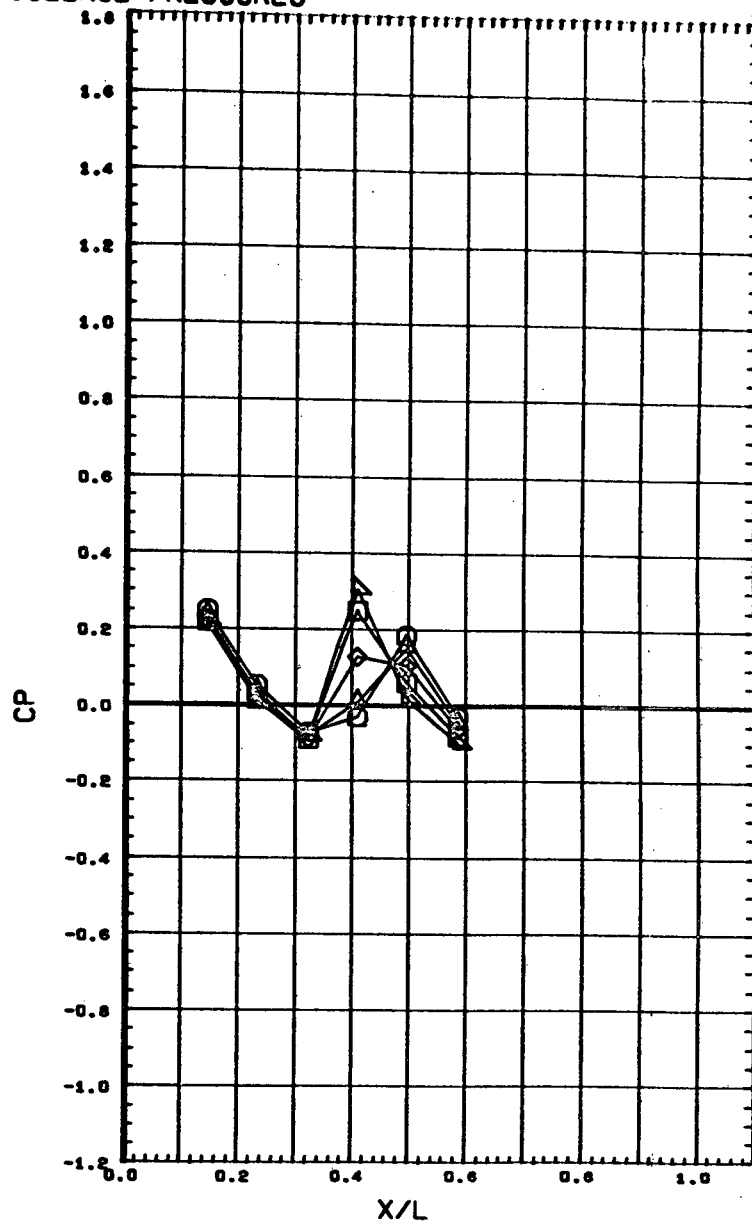
BETA	PARAMETRIC VALUES	0.000	0X/L	0.036
I		3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



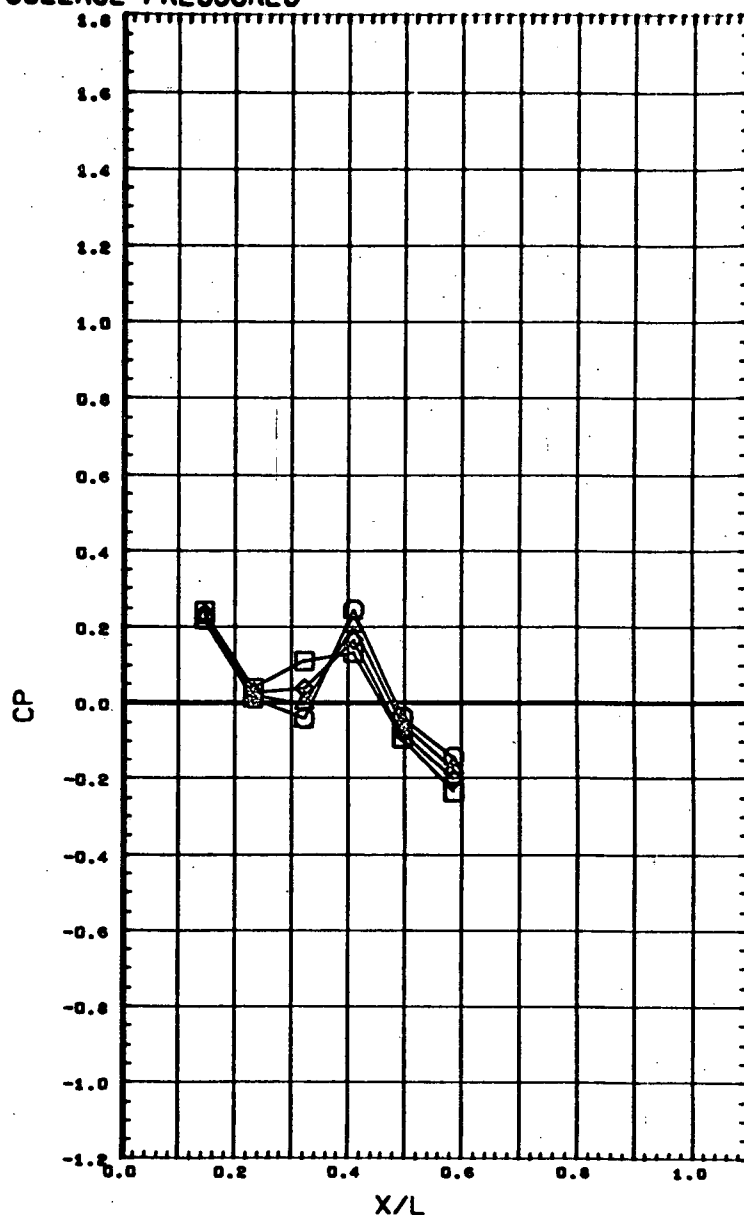
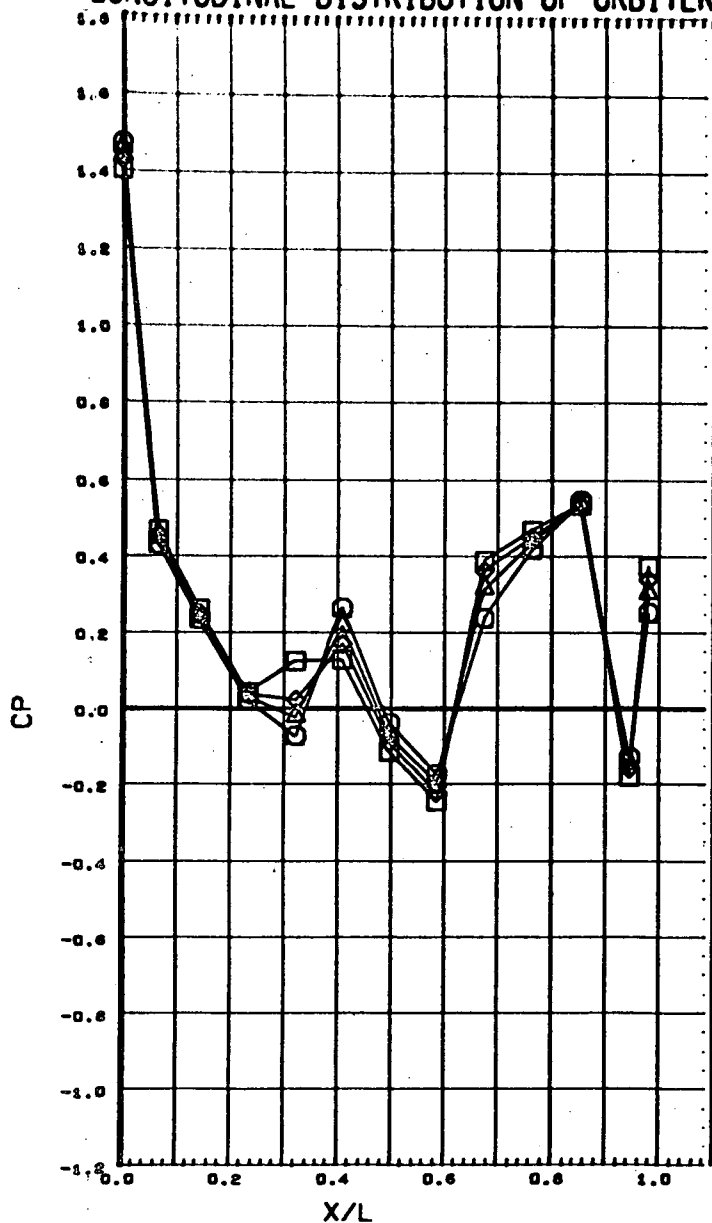
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.000	1.297
◇	- 5.788	0.076	
△	- 3.823		
□	- 1.808		
▽	- 0.447		

REFERENCE FILE



PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

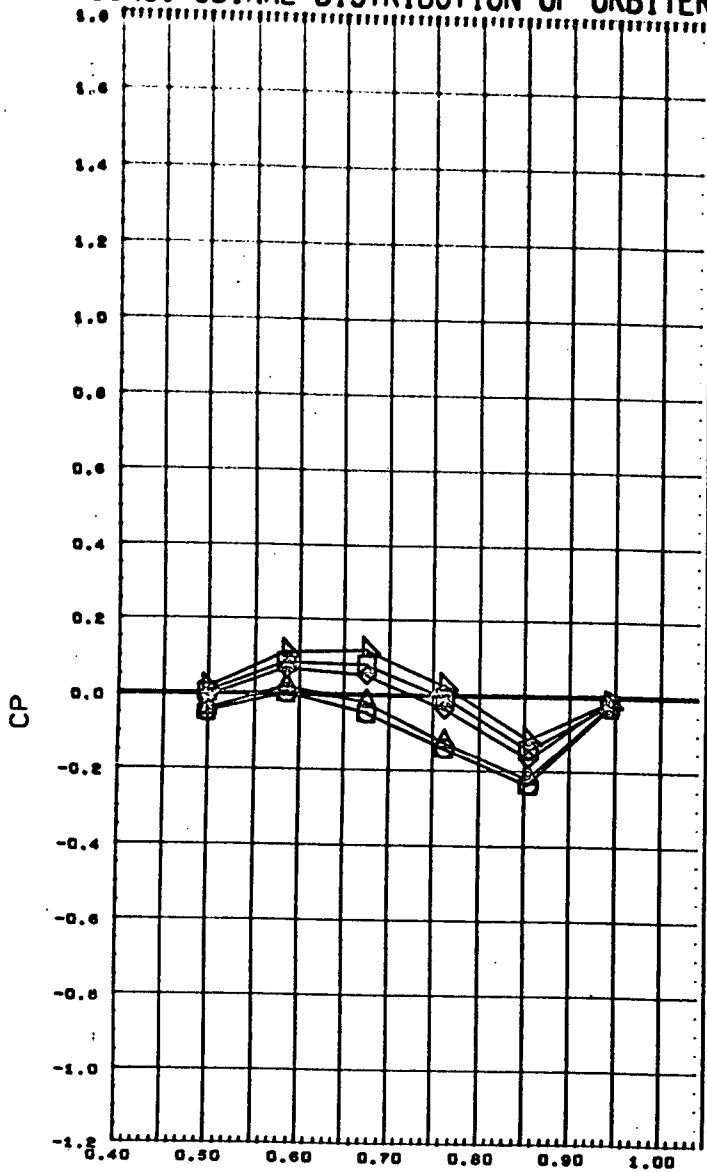


SYMBOL	ALFB	Y/B	M1
○	2.215	0.000	1.297
△	4.170	0.076	
◇	6.162		
□	8.160		

PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	3.800	

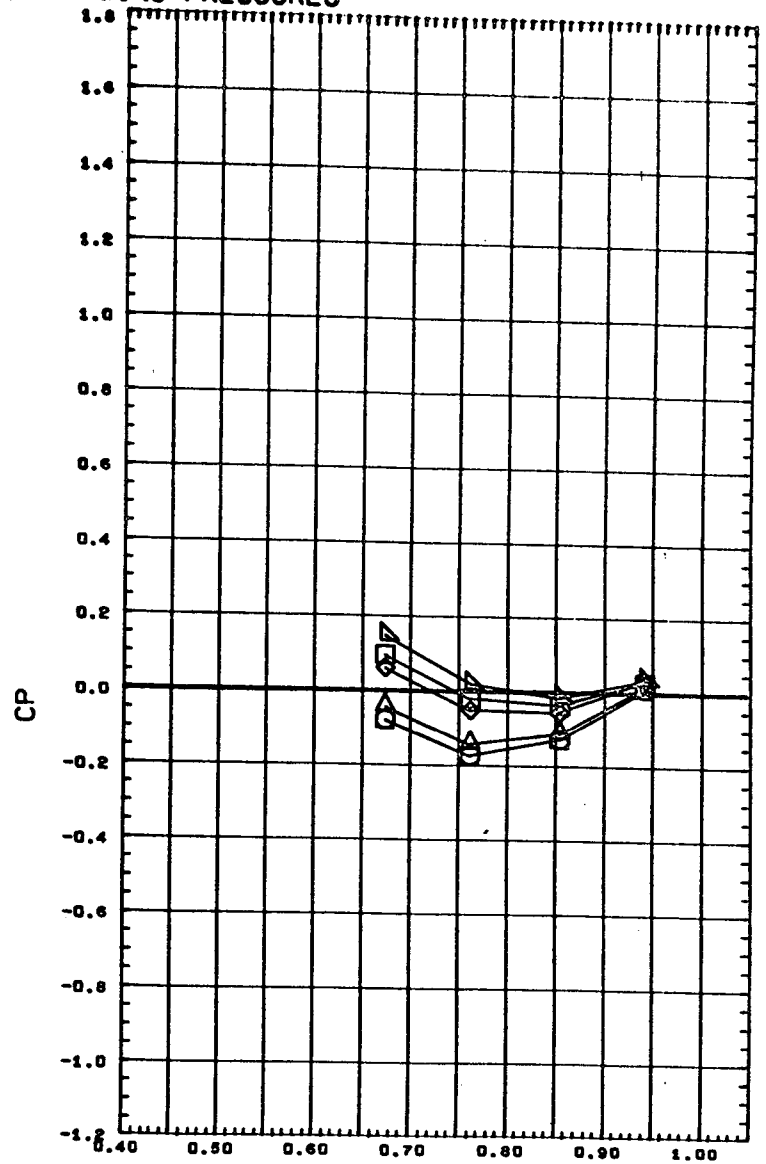
REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



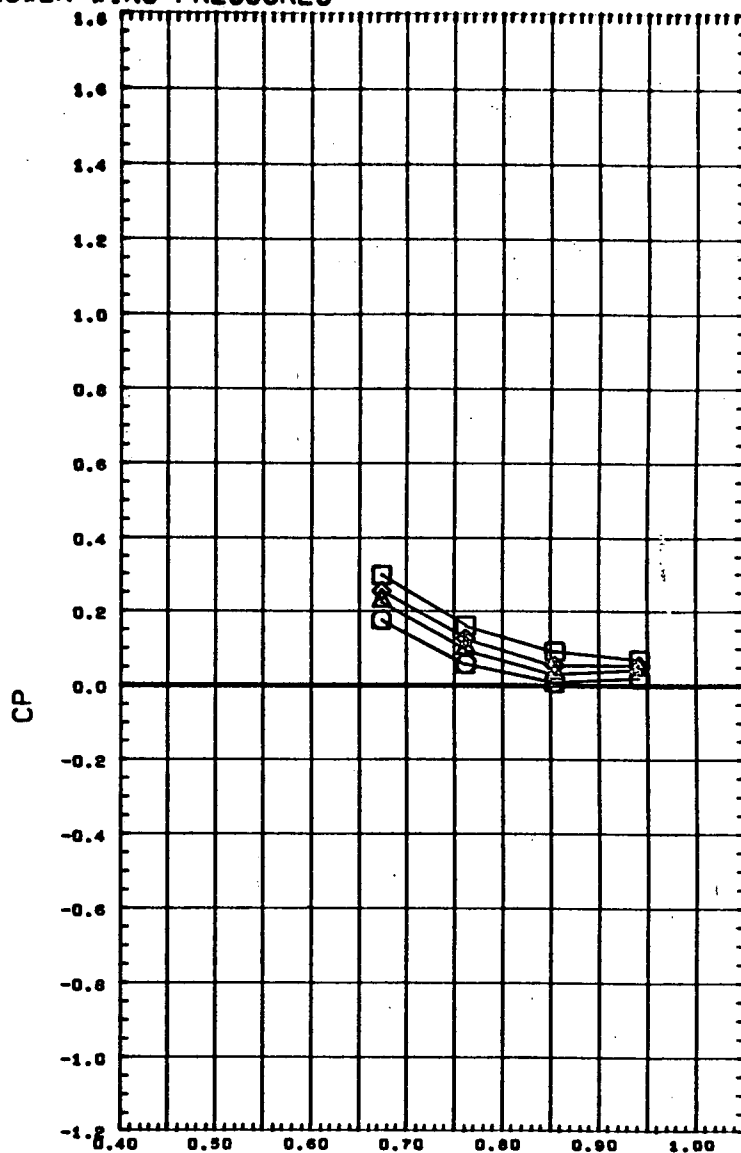
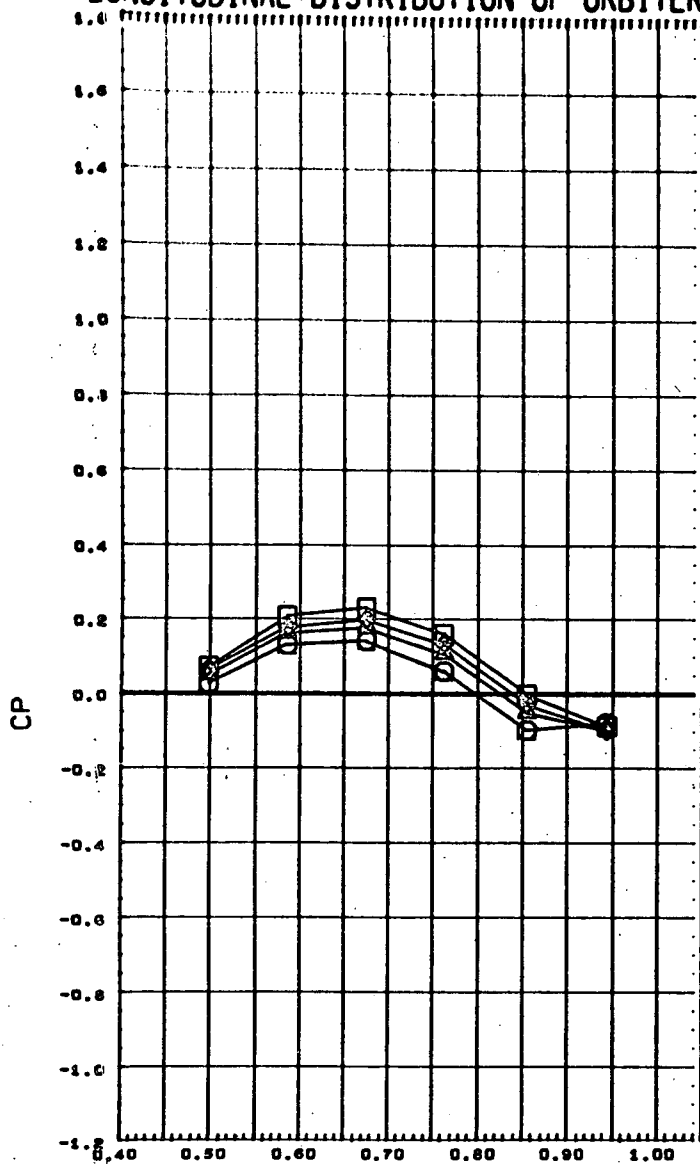
X/L			
SYMBOL	ALFB	Y/B	M1
○	8.145	0.230	0.602
△	6.431	0.399	
◇	1.886		
□	0.118		
▽	2.110		

REFERENCE FILE



X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0.036
	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	4.101	0.230	0.602
△	6.090	0.399	
◇	7.692		
□	10.115		

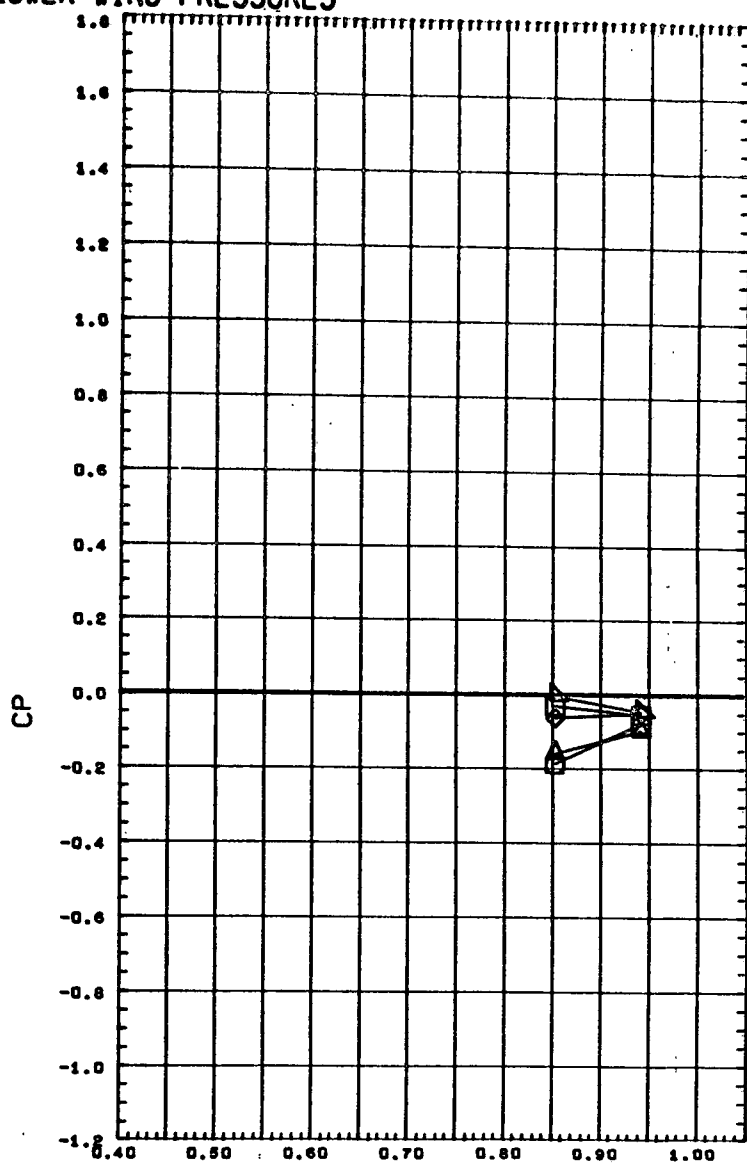
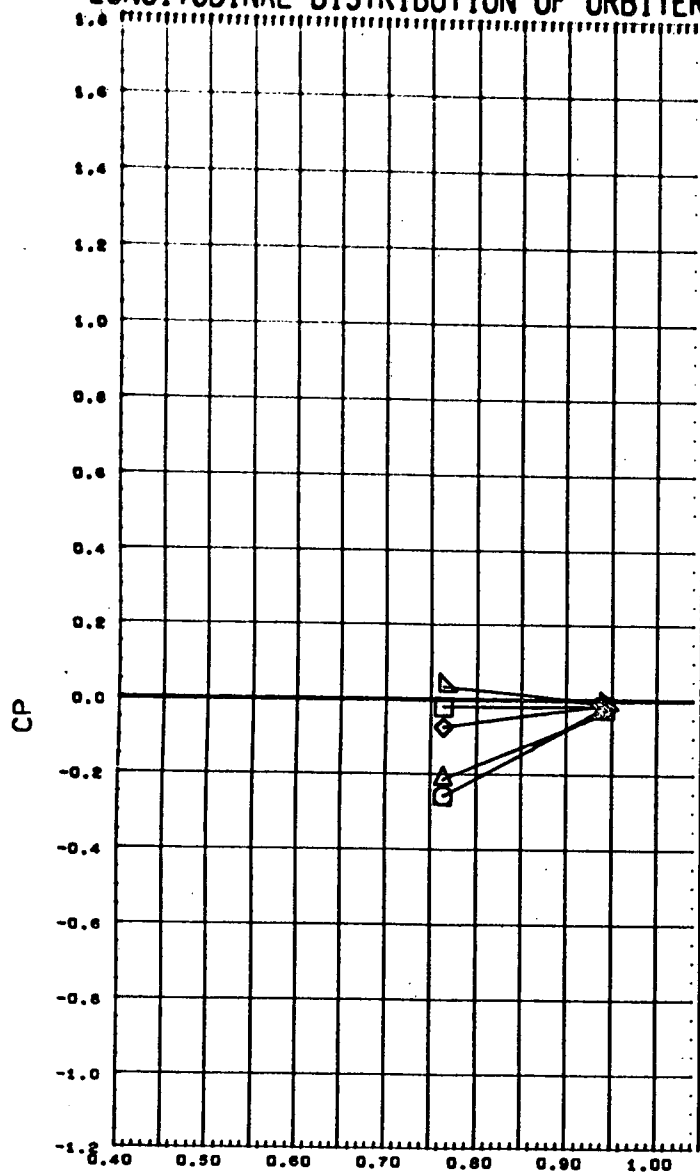
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC010)

	X/L	PARAMETRIC VALUES
BETA	0.000	0.036
I	3.800	

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LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

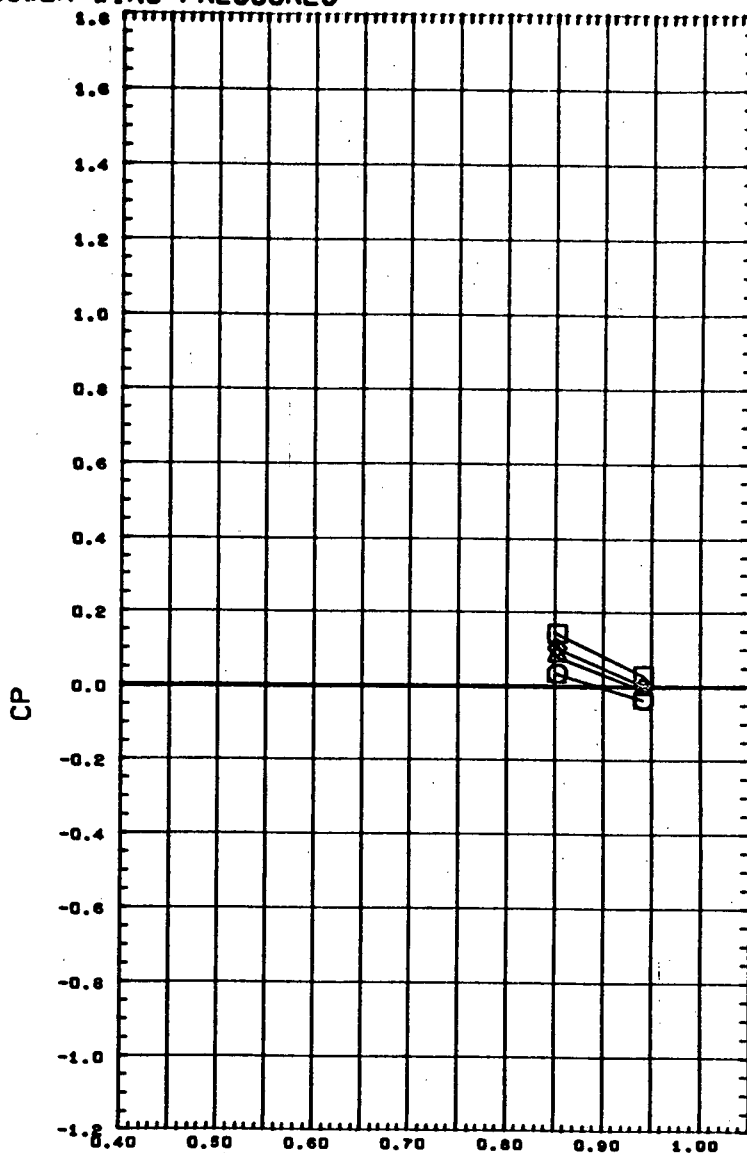
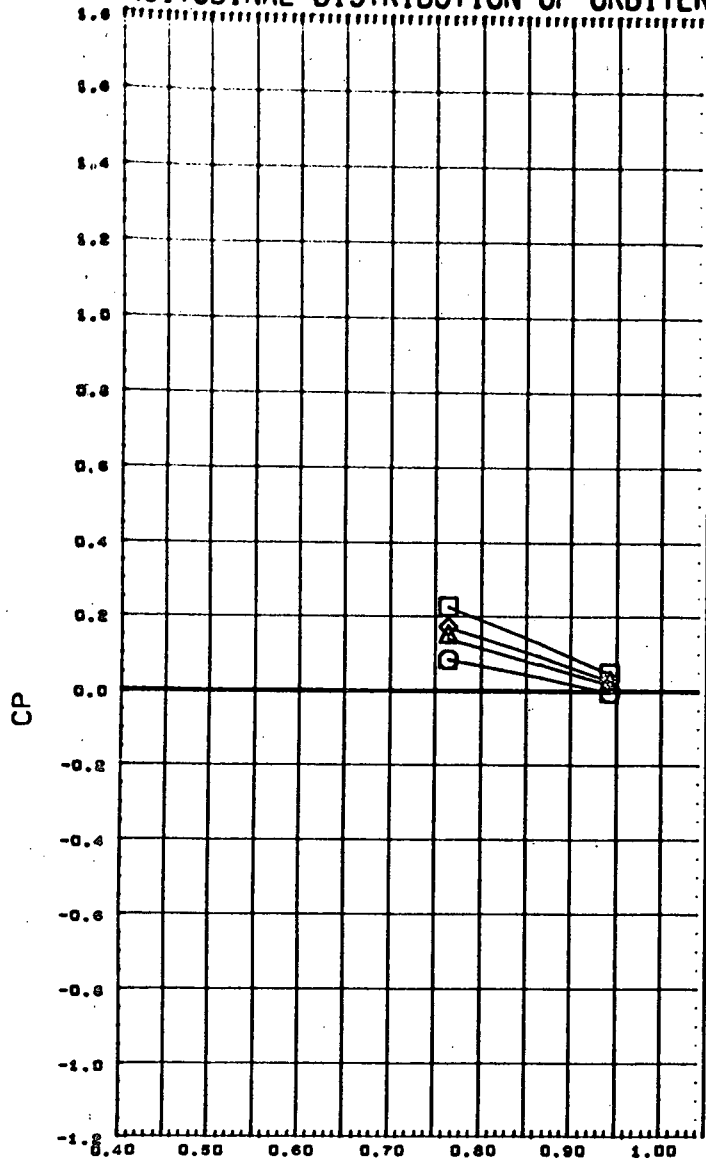


X/L			
SYMBOL	ALFB	Y/B	M1
□	- 8.145	0.568	0.602
◇	- 6.431	0.738	
△	- 1.886		
○	0.118		
×	2.110		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

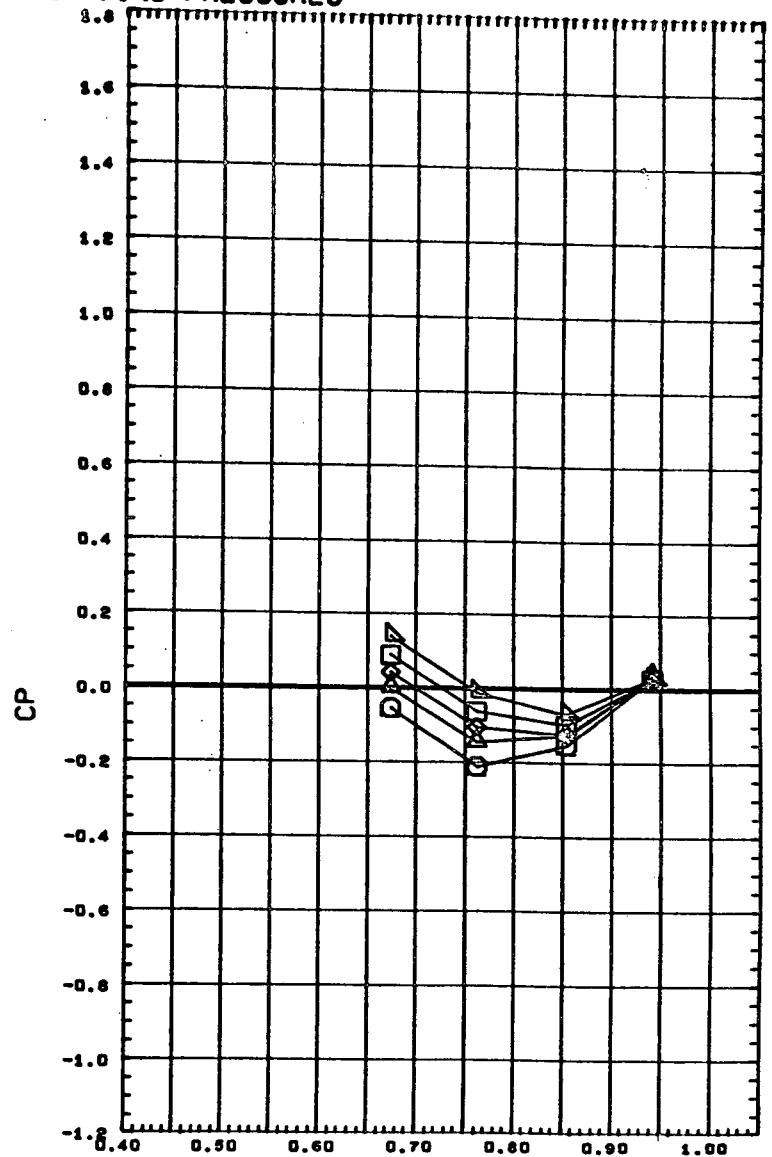
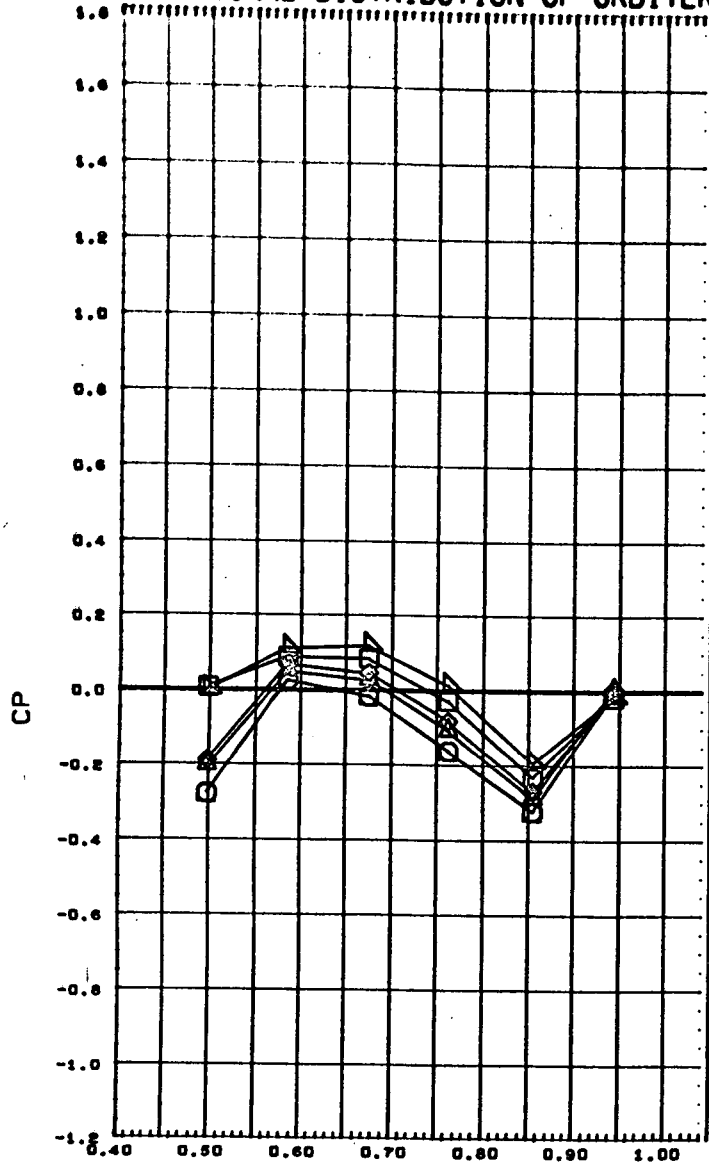


SYMBOL	ALFB	Y/B	M1
○	4.101	0.568	0.602
△	6.090	0.738	
◇	7.692		
□	10.115		

BETA	PARAMETRIC VALUES	DX/L	
I	0.000	3.800	0.036

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

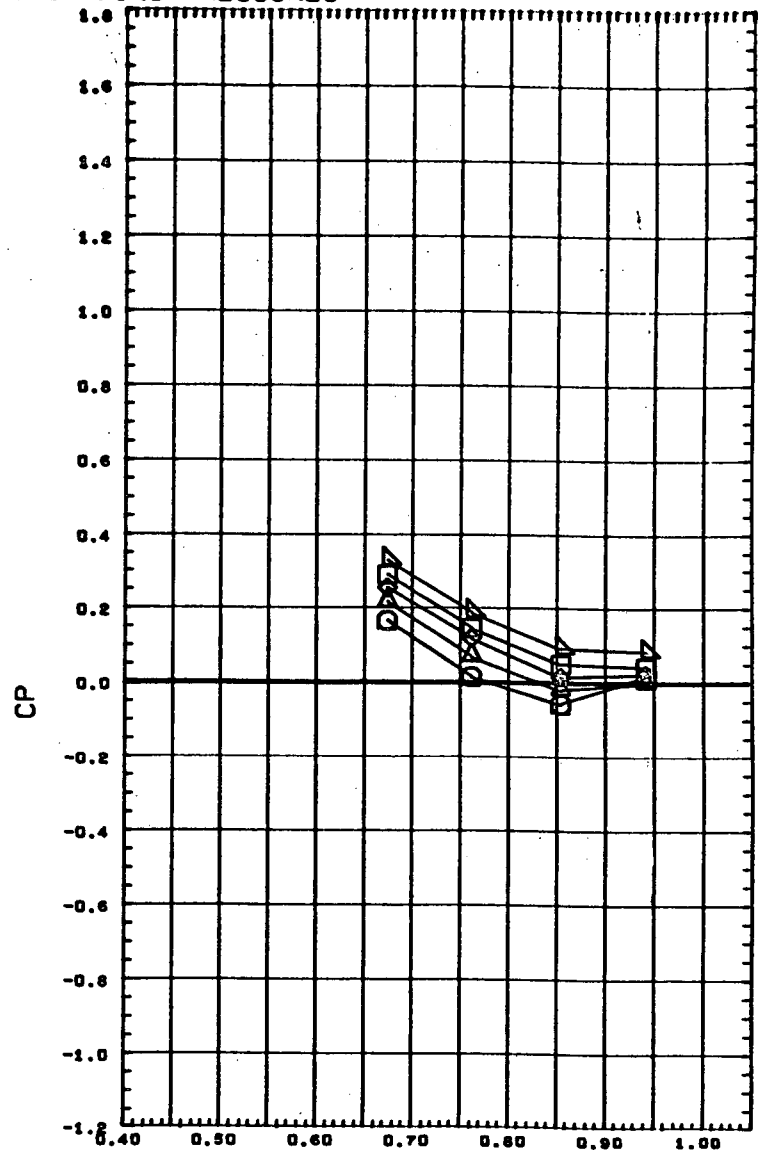
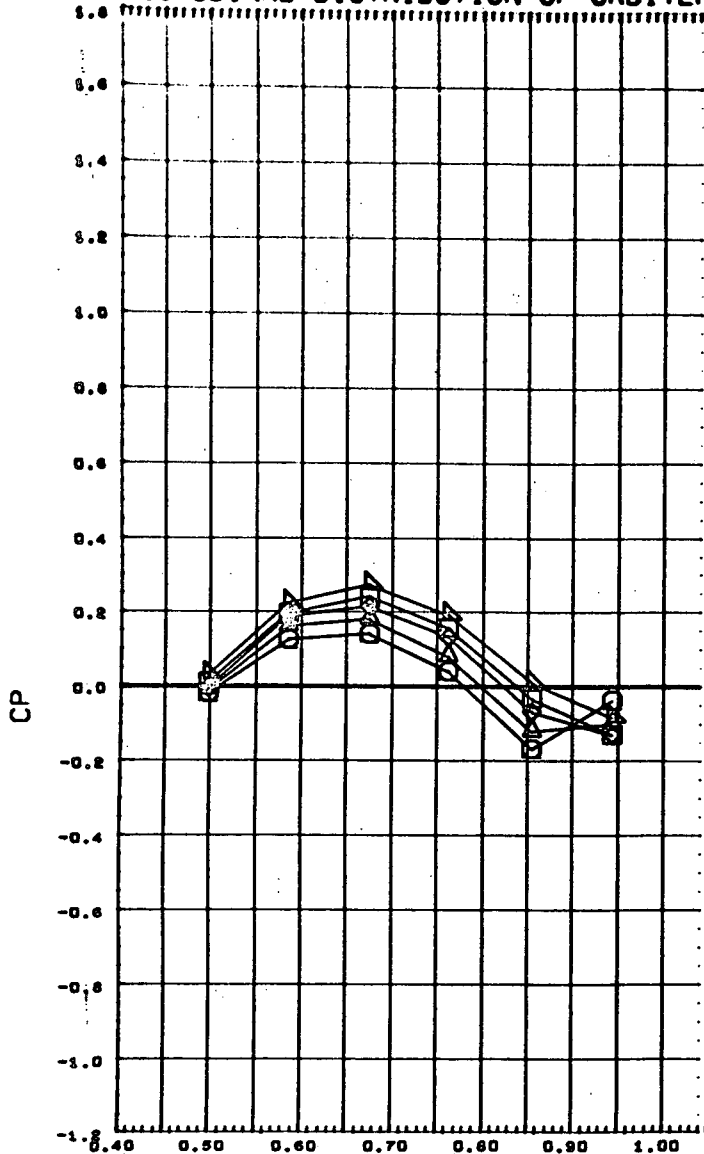


SYMBOL	ALFB	Y/B	M1
○	8.247	0.230	0.902
△	5.823	0.399	
◇	3.835		
□	1.848		
▽	0.126		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	3.800
DX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

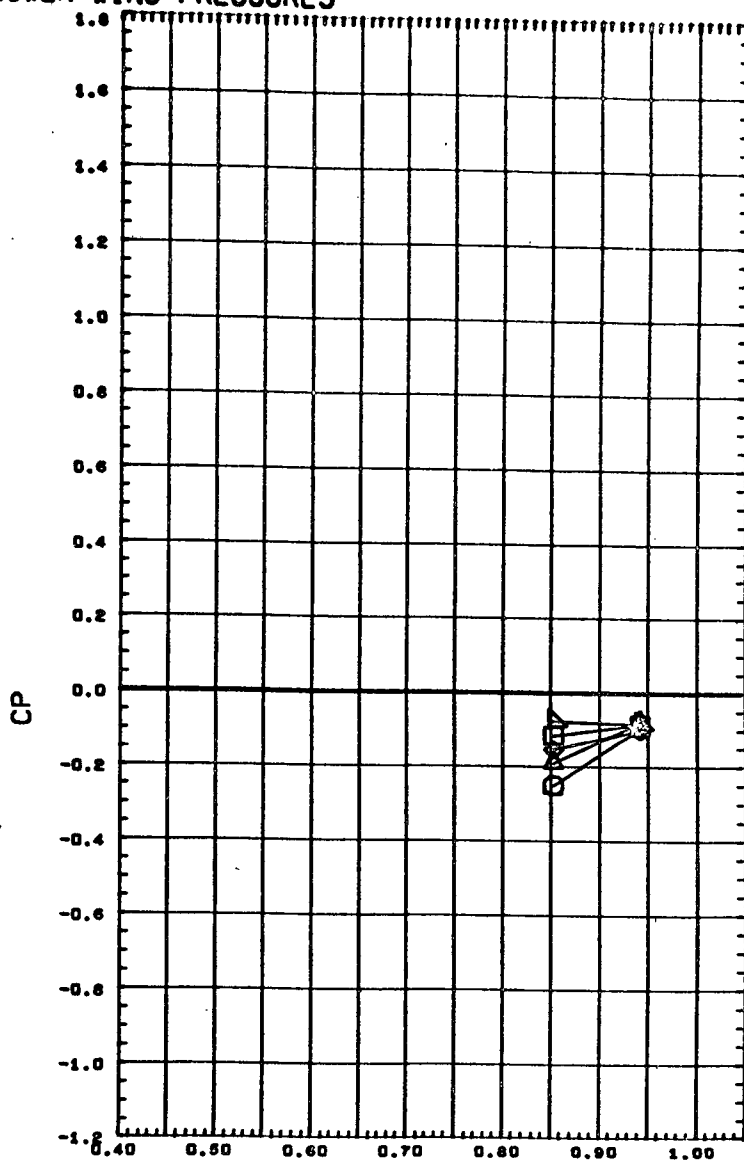
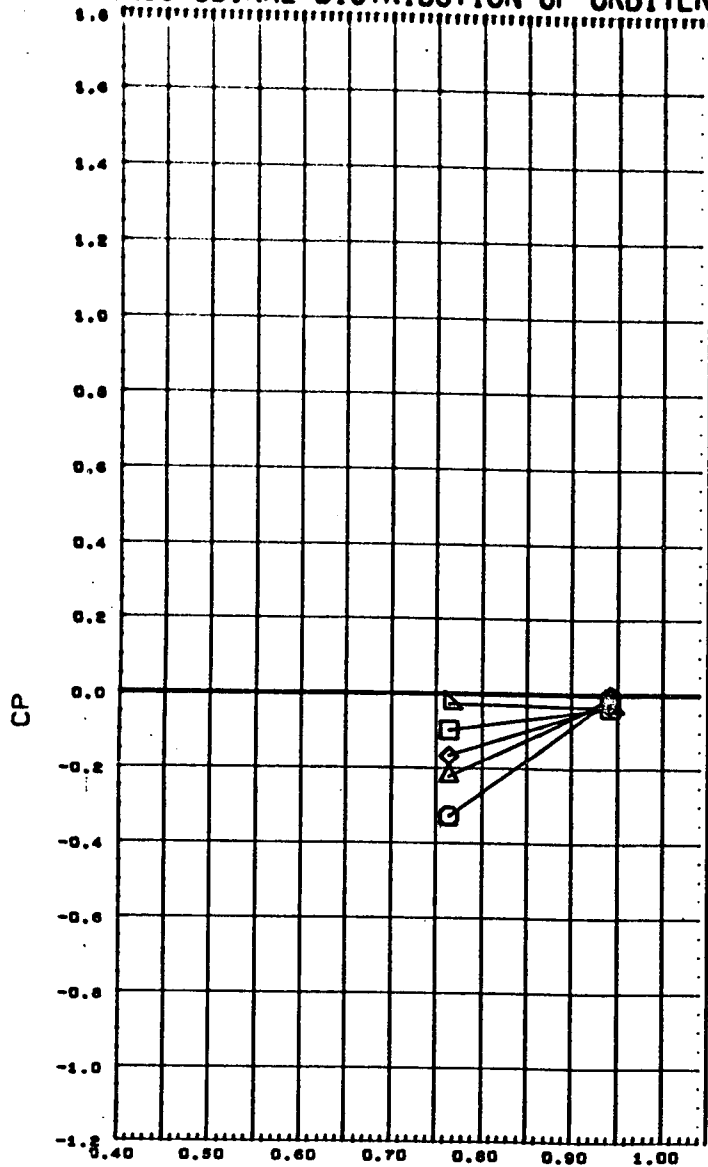


SYMBOL	ALFB	Y/B	M1
○	1.552	0.230	0.902
△	3.765	0.399	
□	6.165		
◇	7.907		
▽	9.767		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	OX/L 0.036
I	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

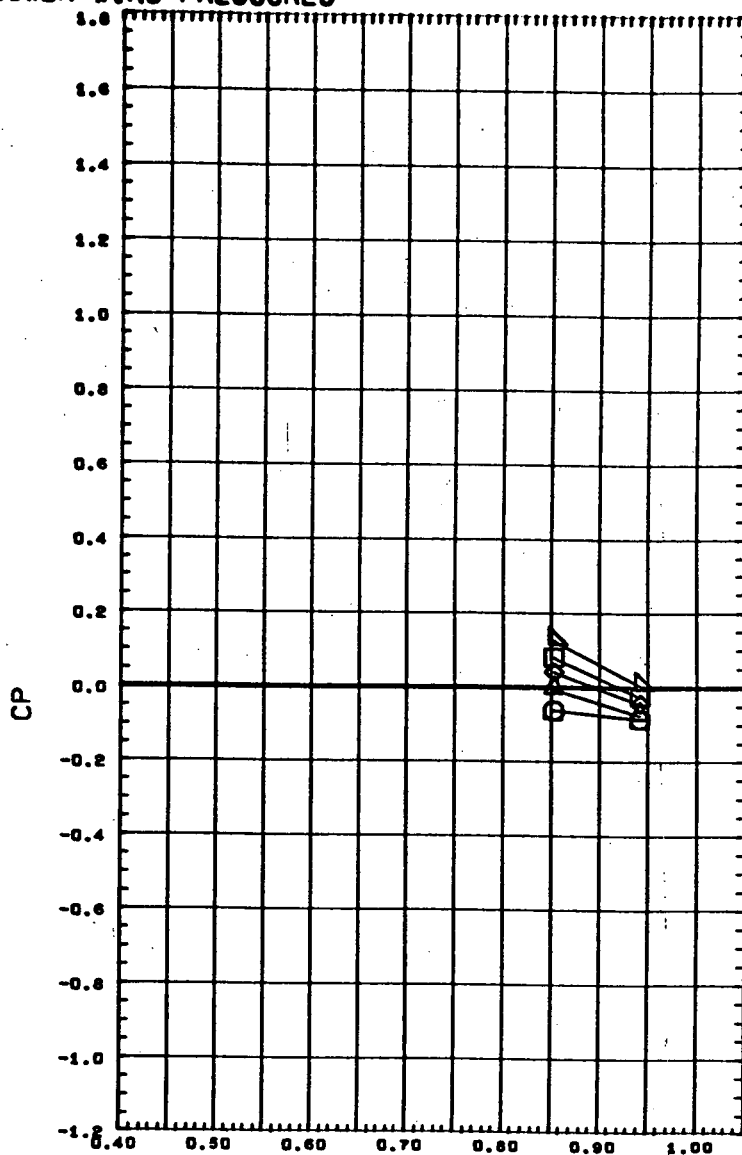
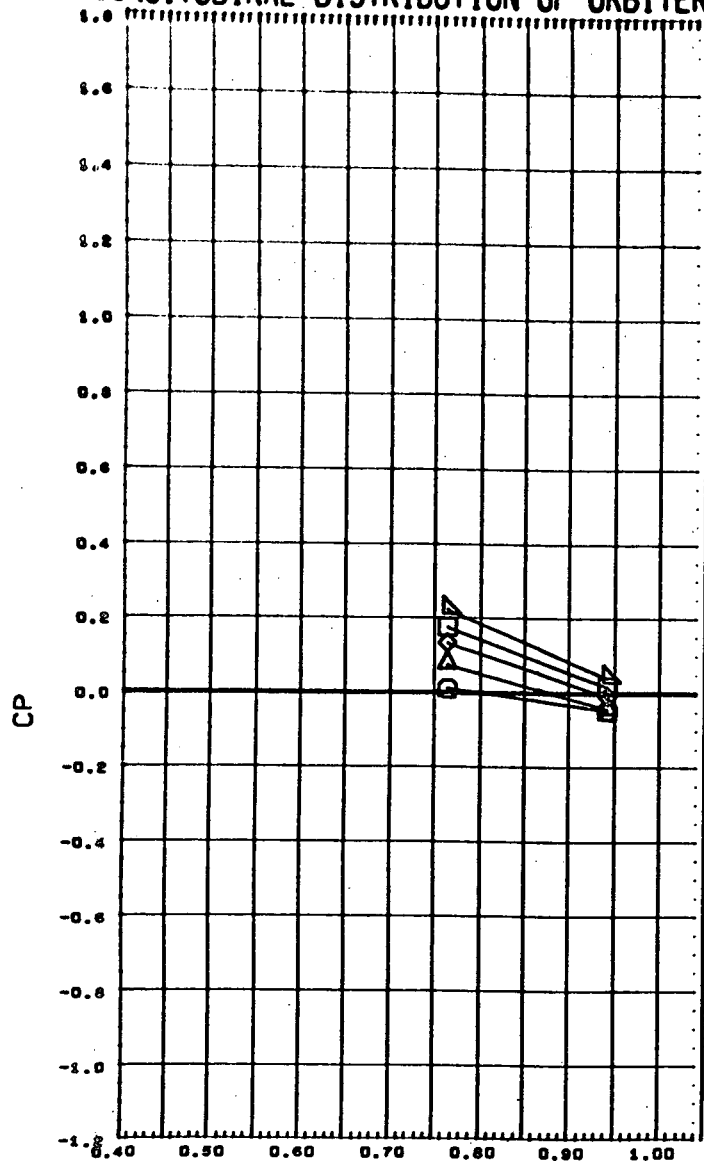


SYMBOL	X/L		
	ALFB	Y/B	M1
◇	8.247	0.568	0.902
◇	5.823	0.738	
◇	3.835		
◇	1.848		
◇	0.126		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	3.800	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

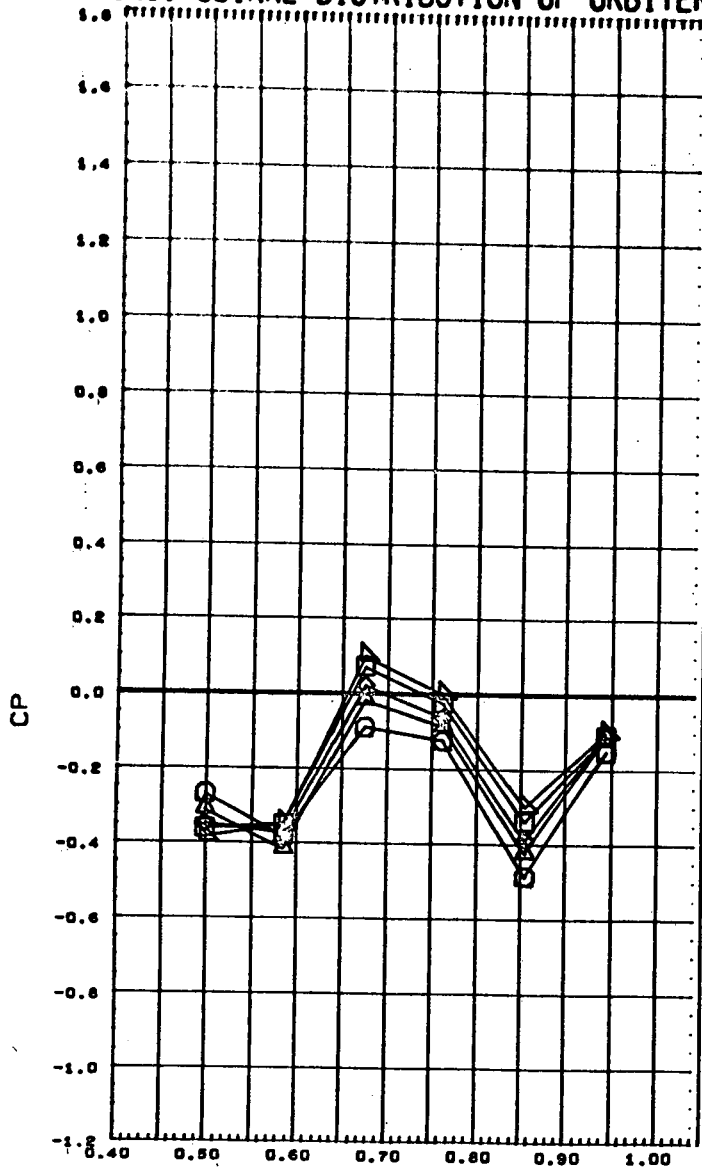


SYMBOL	X/L		
	ALFB	Y/B	M1
	1.552	0.568	0.902
	3.765	0.738	
	6.169		
	7.507		
	9.767		

REFERENCE FILE

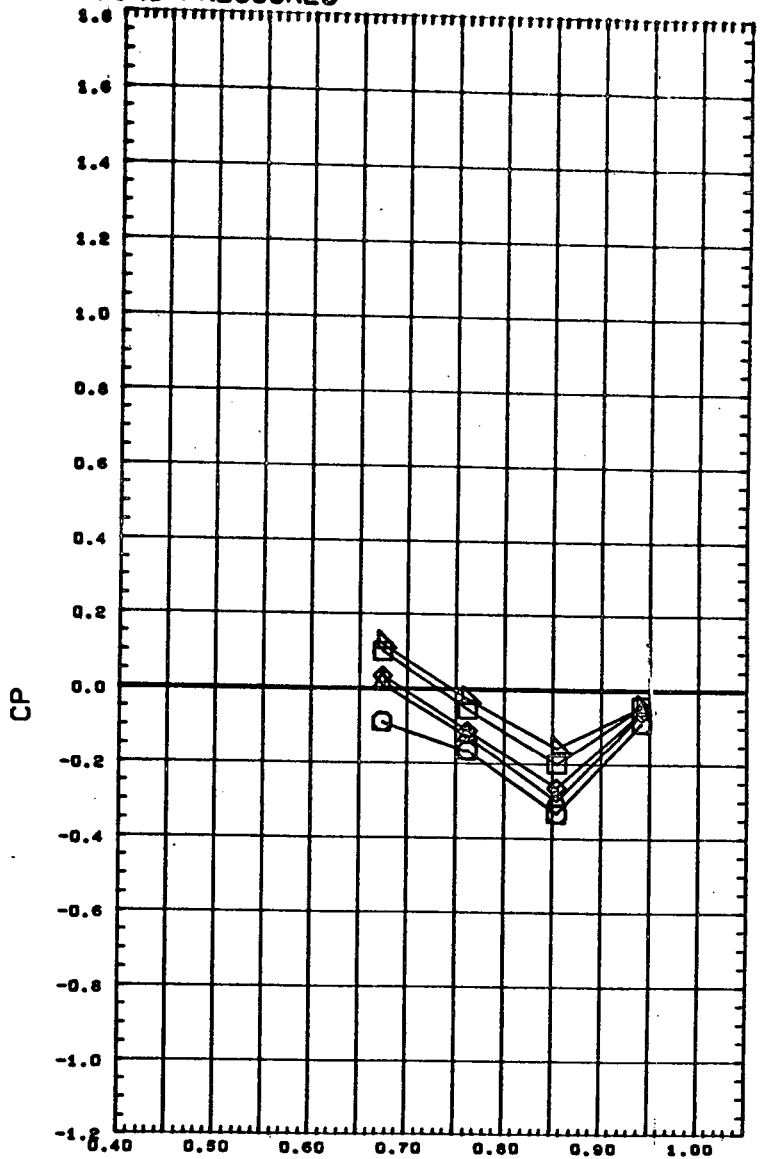
X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	3.800	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



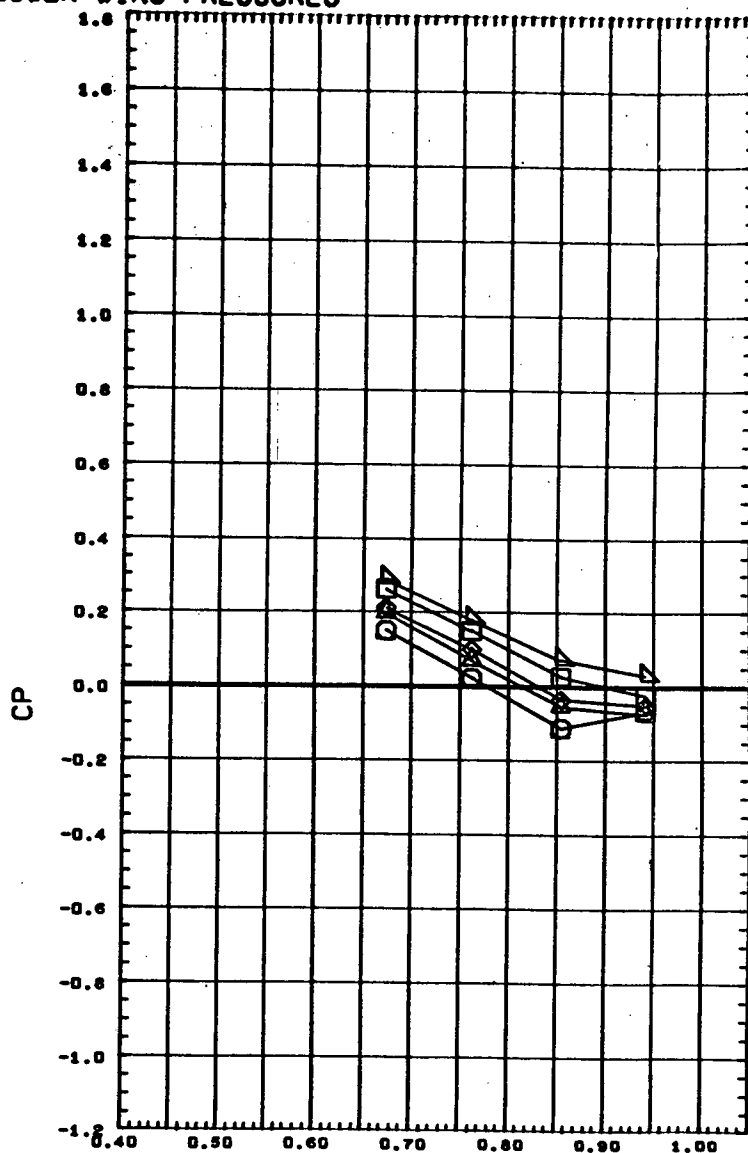
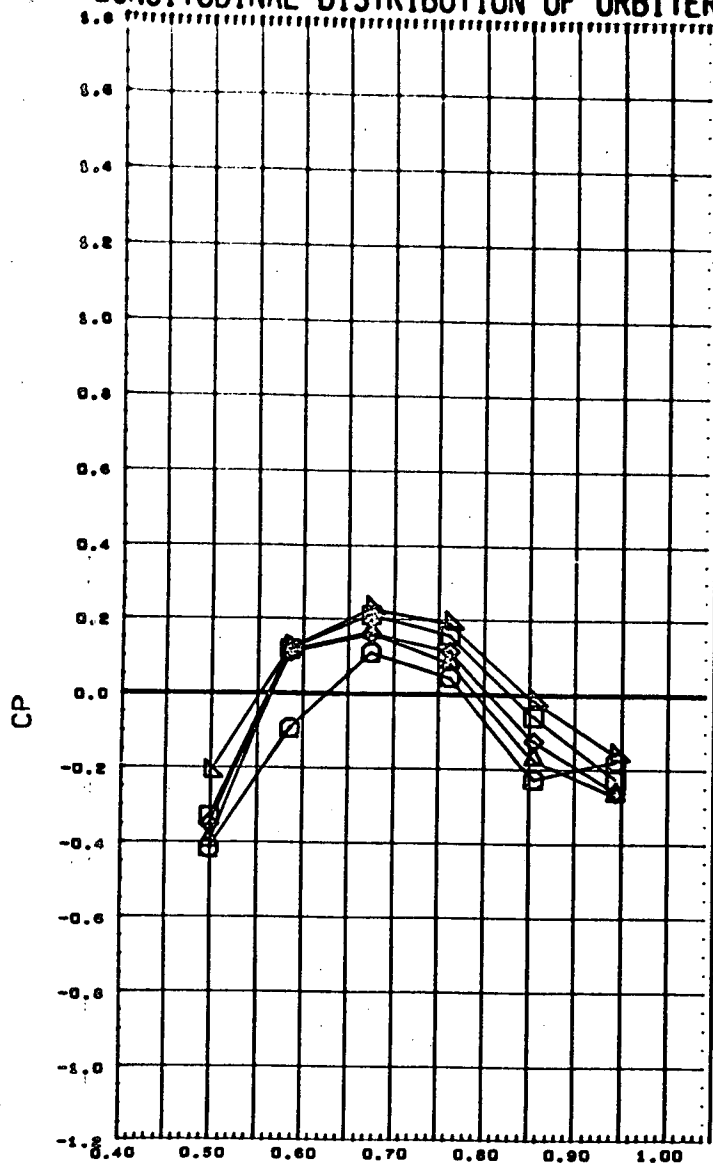
SYMBOL	ALFB	Y/B	M1
○	8.294	0.230	1.002
◇	5.781	0.399	
△	3.822		
□	1.824		
◇	0.452		

REFERENCE FILE



	PARAMETRIC VALUES
BETA	0.000
I	3.800
OX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

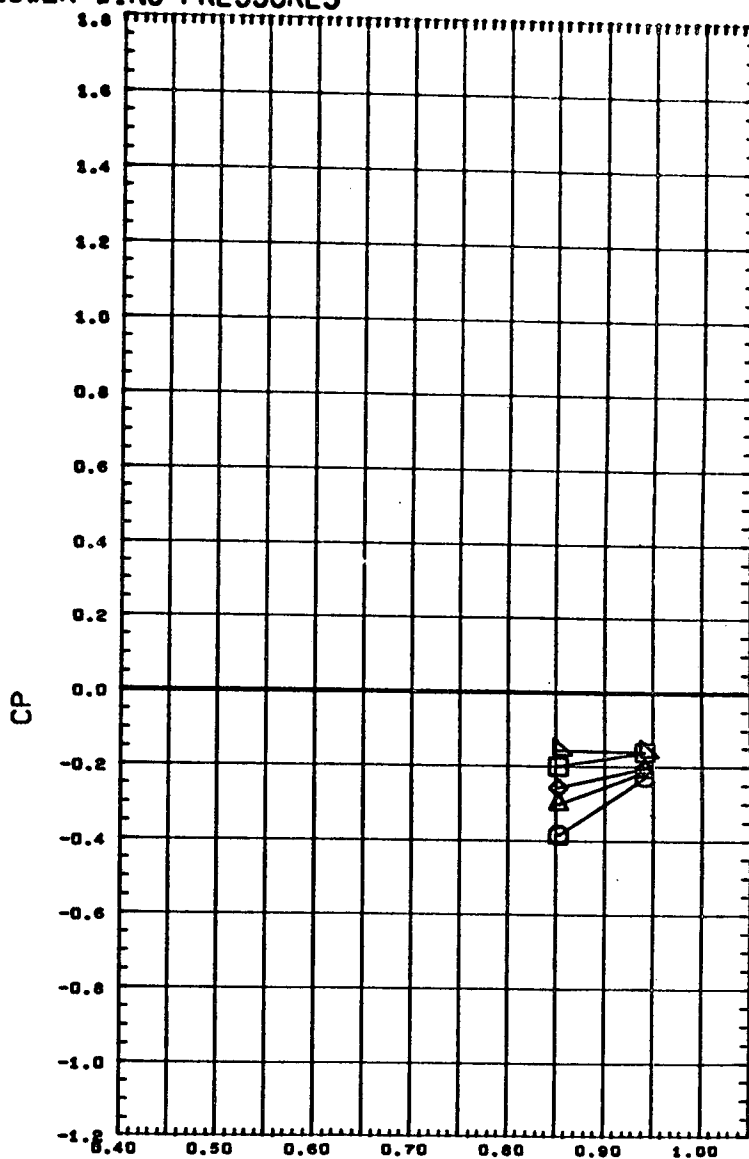
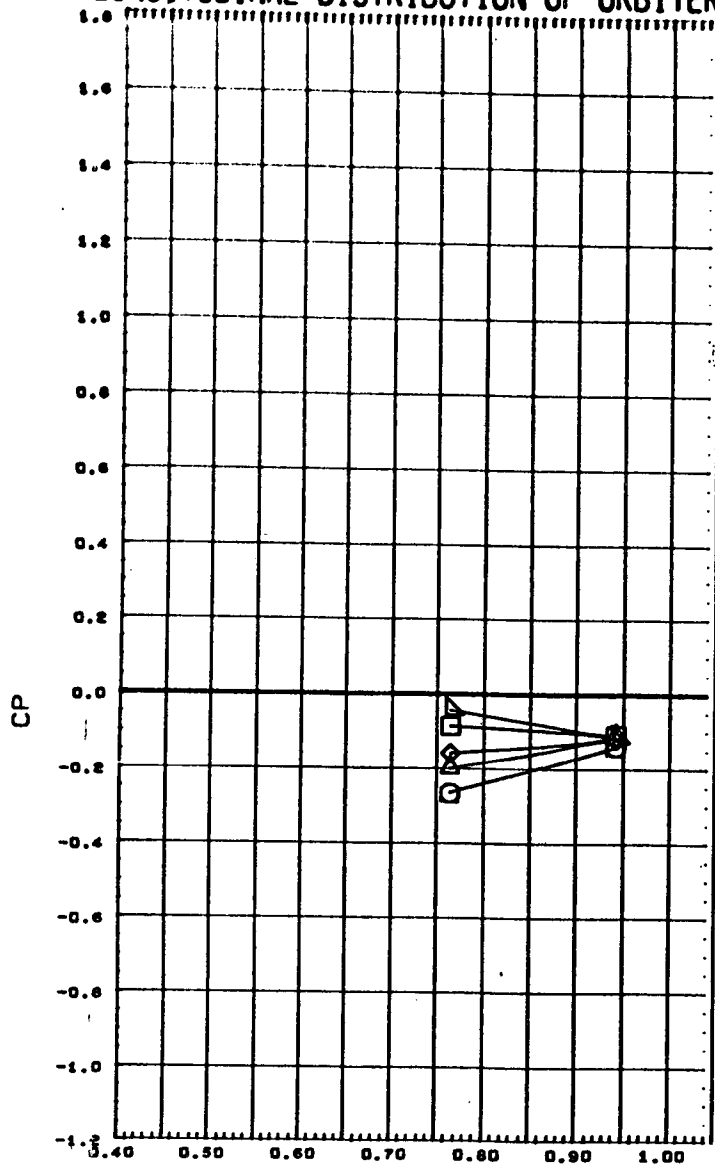


SYMBOL	ALFB	Y/B	M1
○	2.116	0.230	1.002
△	4.156	0.399	
◇	5.934		
▽	7.374		
□	10.204		

REFERENCE FILE

	PARAMETRIC VALUES		
BETA	0.000	OX/L	0.036
I	3.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

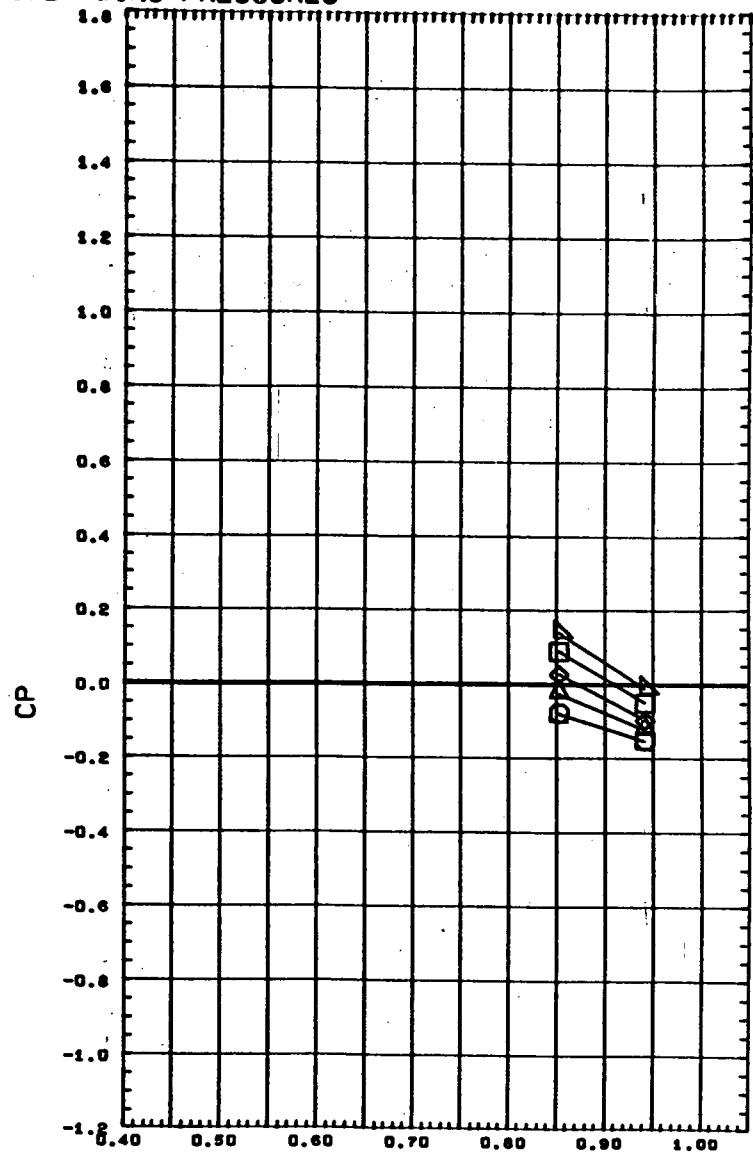
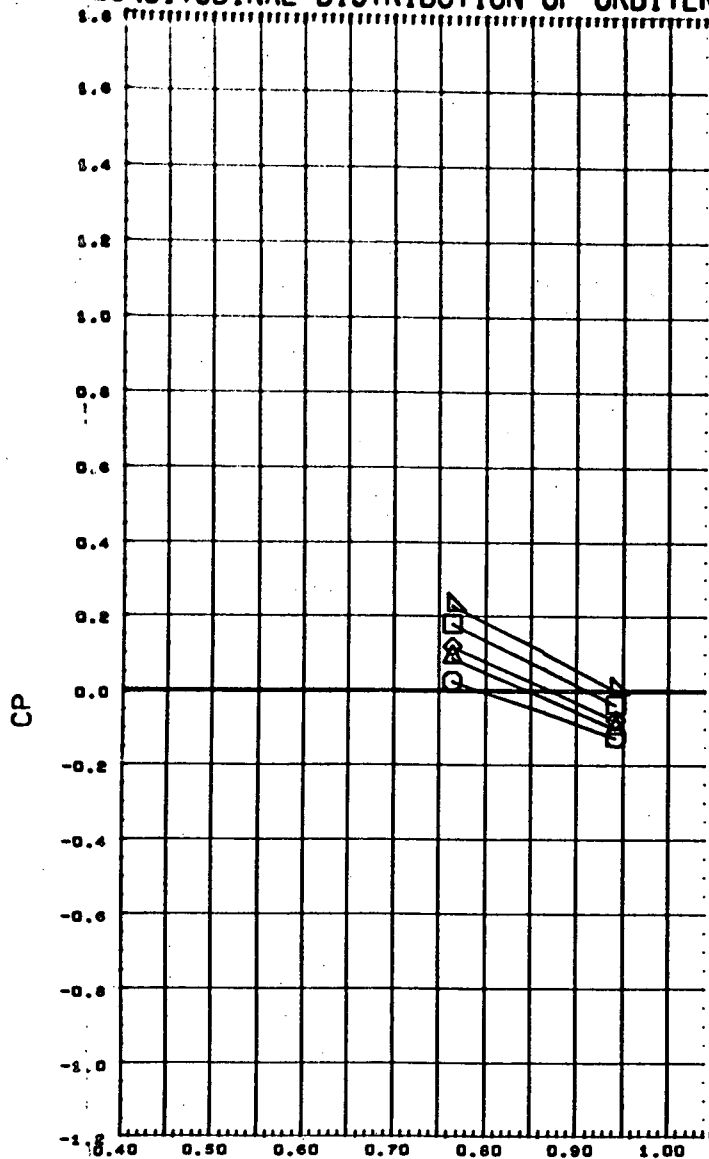


SYMBOL	ALFB	Y/B	M1
△	8.294	0.568	1.002
◇	5.781	0.738	
□	3.822		
○	1.824		
▽	0.452		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L 0.036
I	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



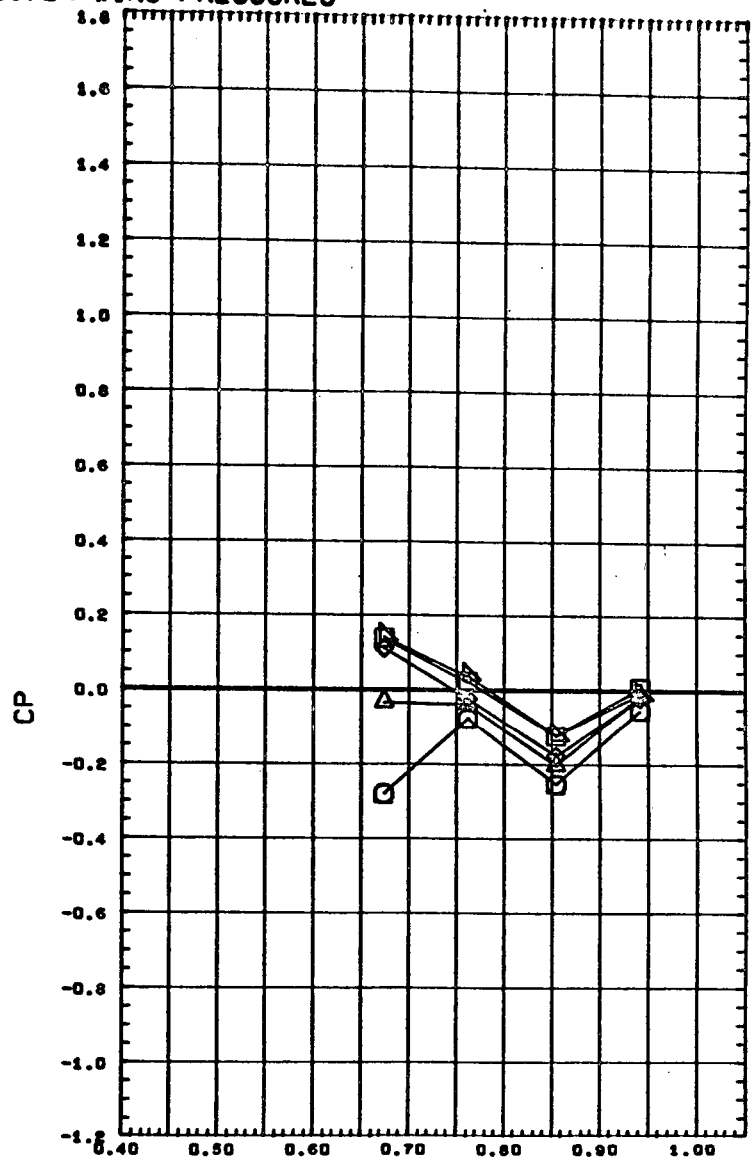
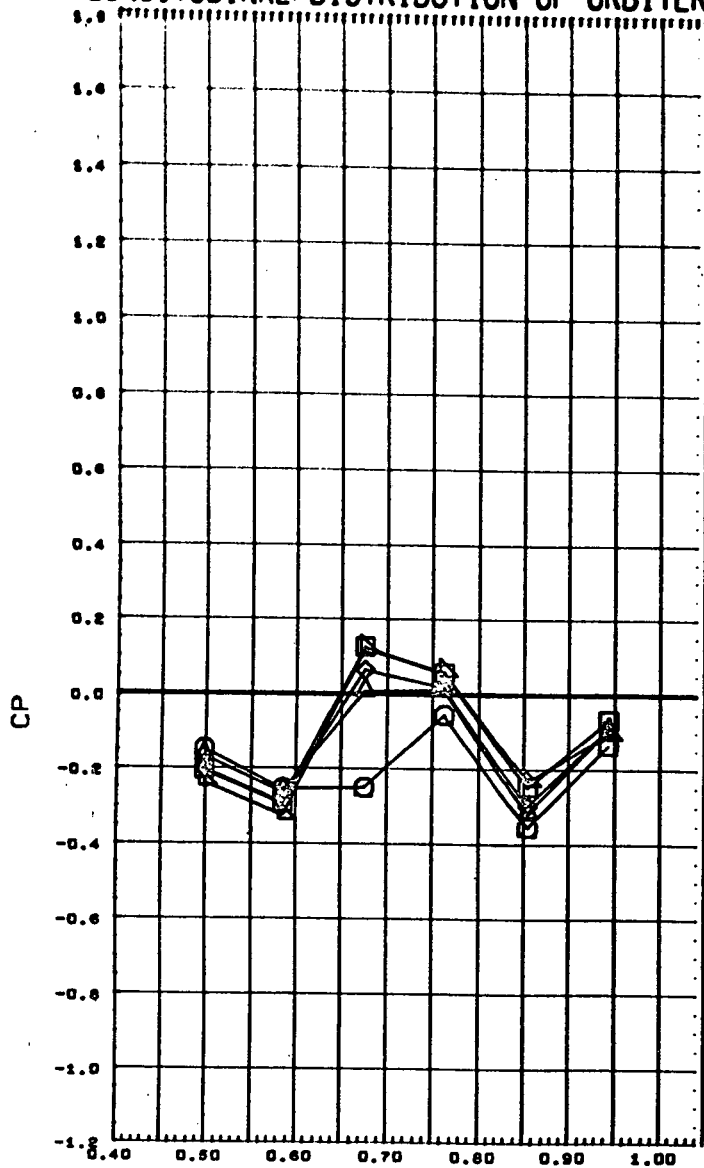
SYMBOL	ALFB	Y/B	M1
◇	2.116	0.568	1.002
□	4.196	0.738	
○	5.934		
△	7.374		
+	10.204		

REFERENCE FILE

X/L

BETA	PARAMETRIC VALUES	DX/L	0.036
I	0.000	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

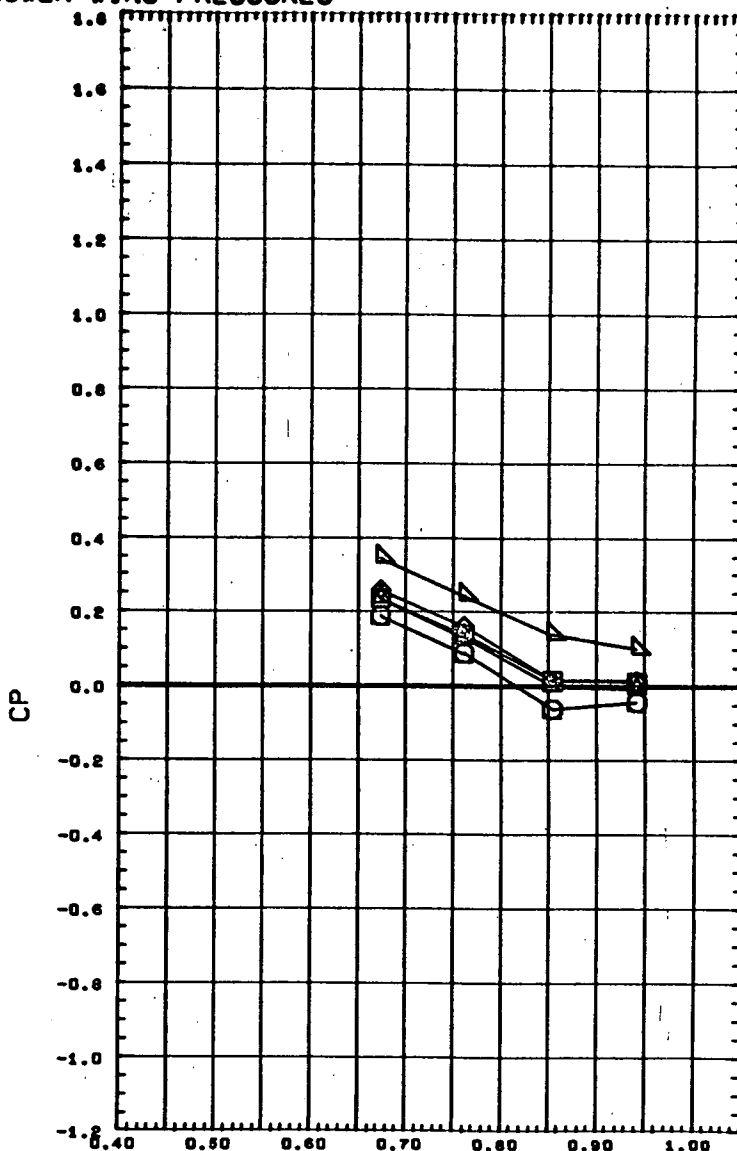
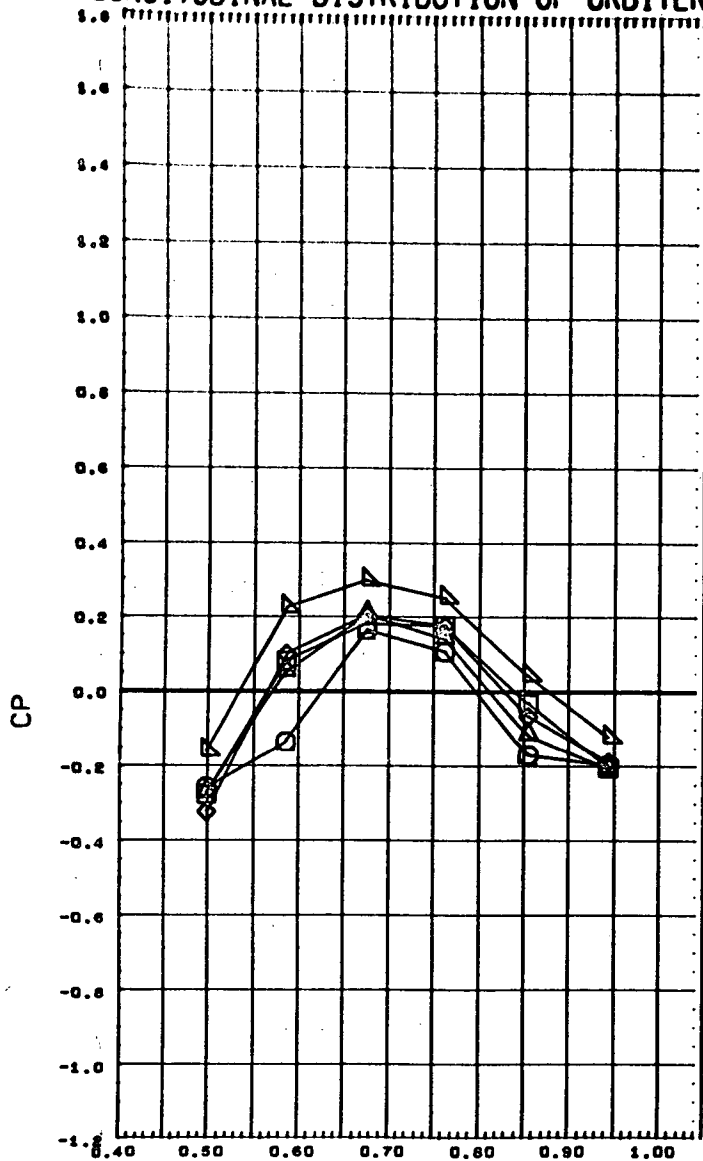


SYMBOL	ALPB	Y/B	M1
◇	- 6.281	0.230	1.099
△	- 5.784	0.399	
□	- 3.817		
○	- 1.823		
×	- 0.455		

REFERENCE FILE

	PARAMETRIC VALUES		
BETA	0.000	OX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

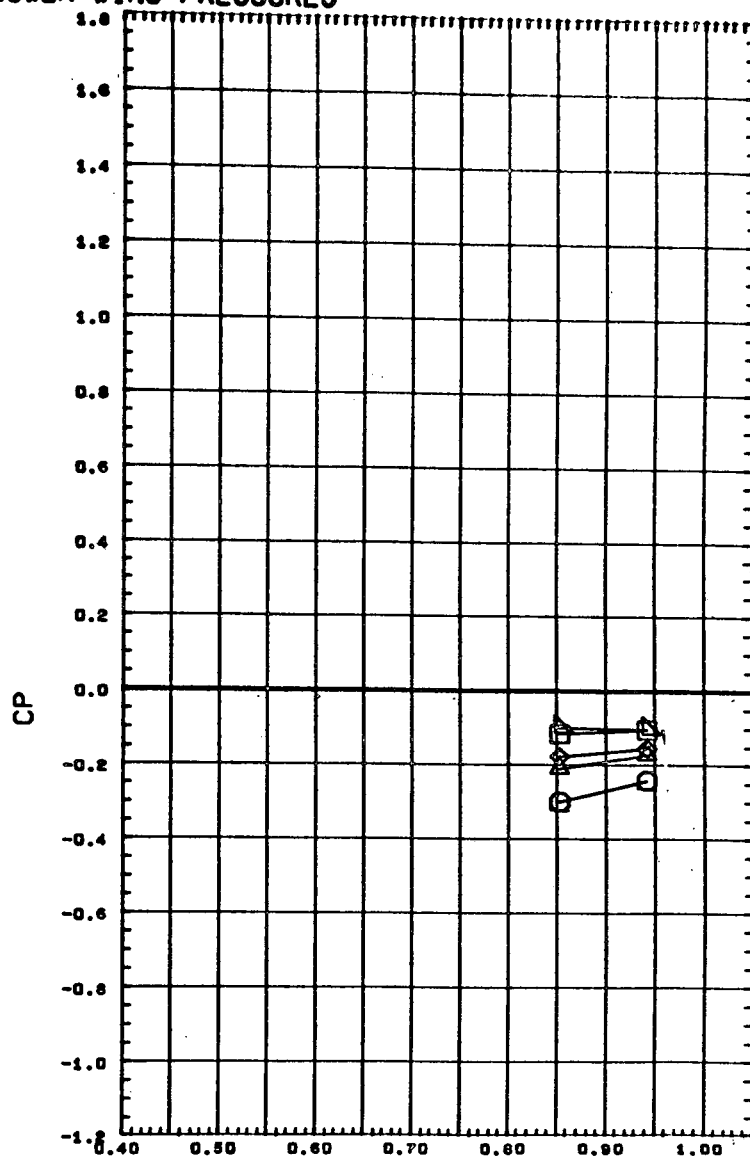
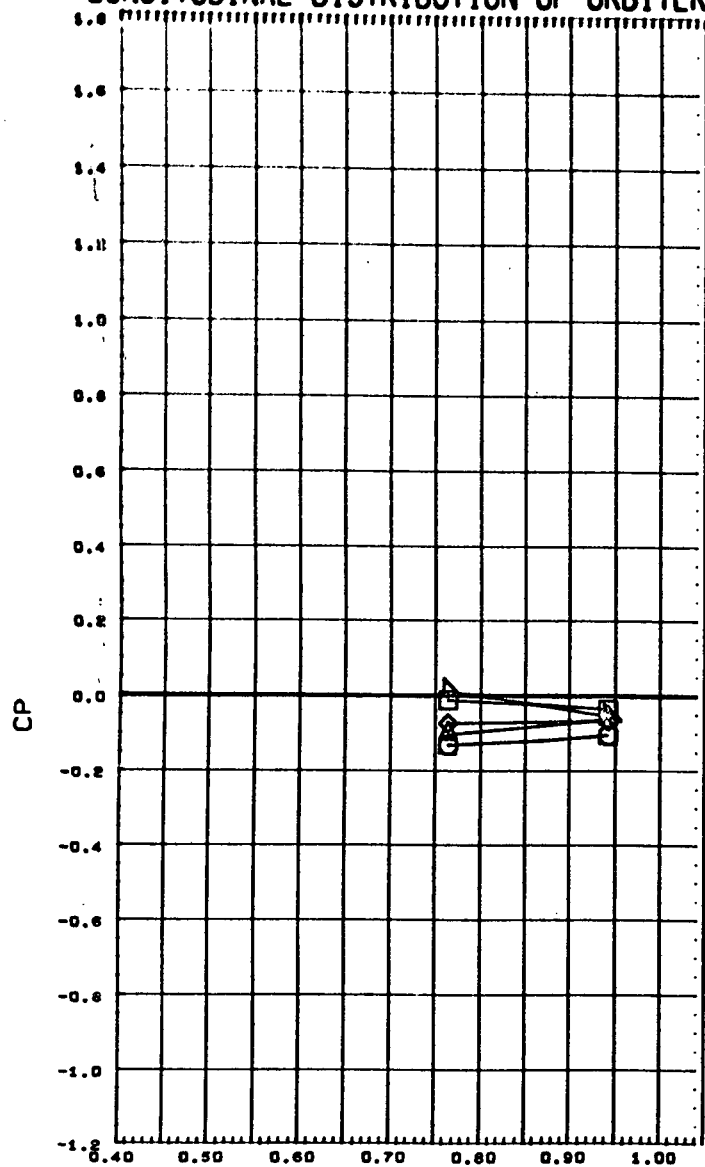


SYMBOL	ALFB	Y/B	M1
△	2.207	0.230	1.099
○	4.159	0.399	
◇	6.174		
□	8.149		
■	9.546		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	0.036
I	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

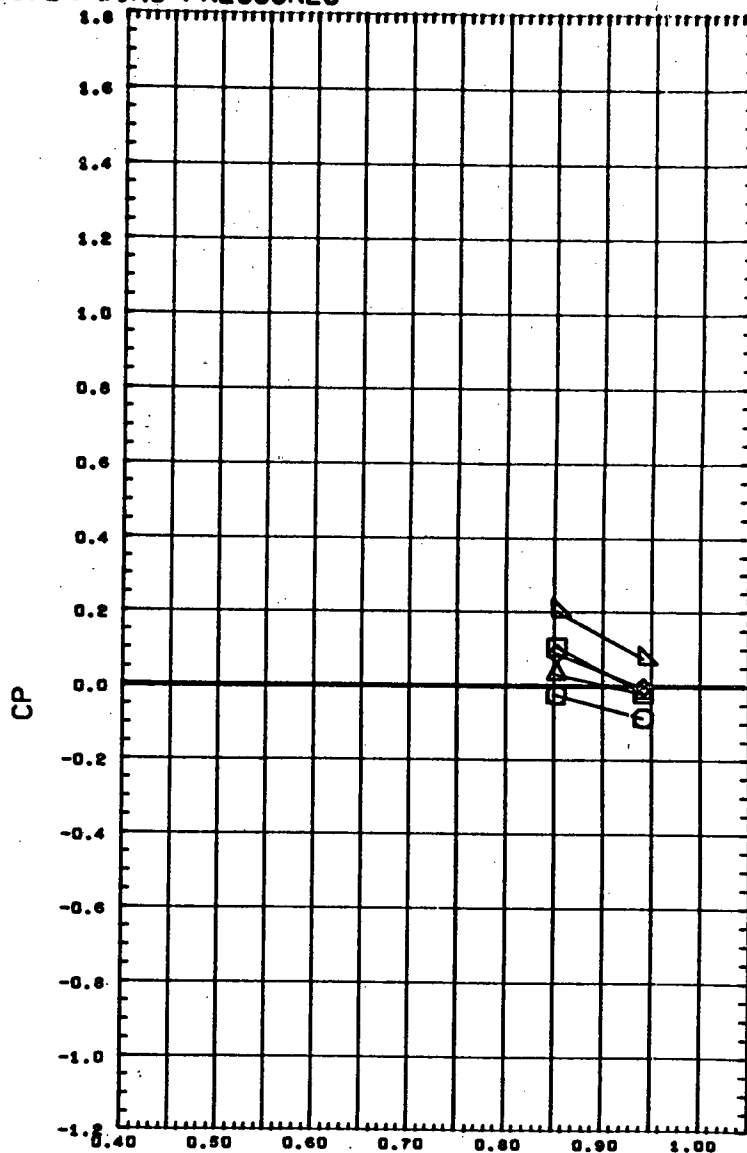
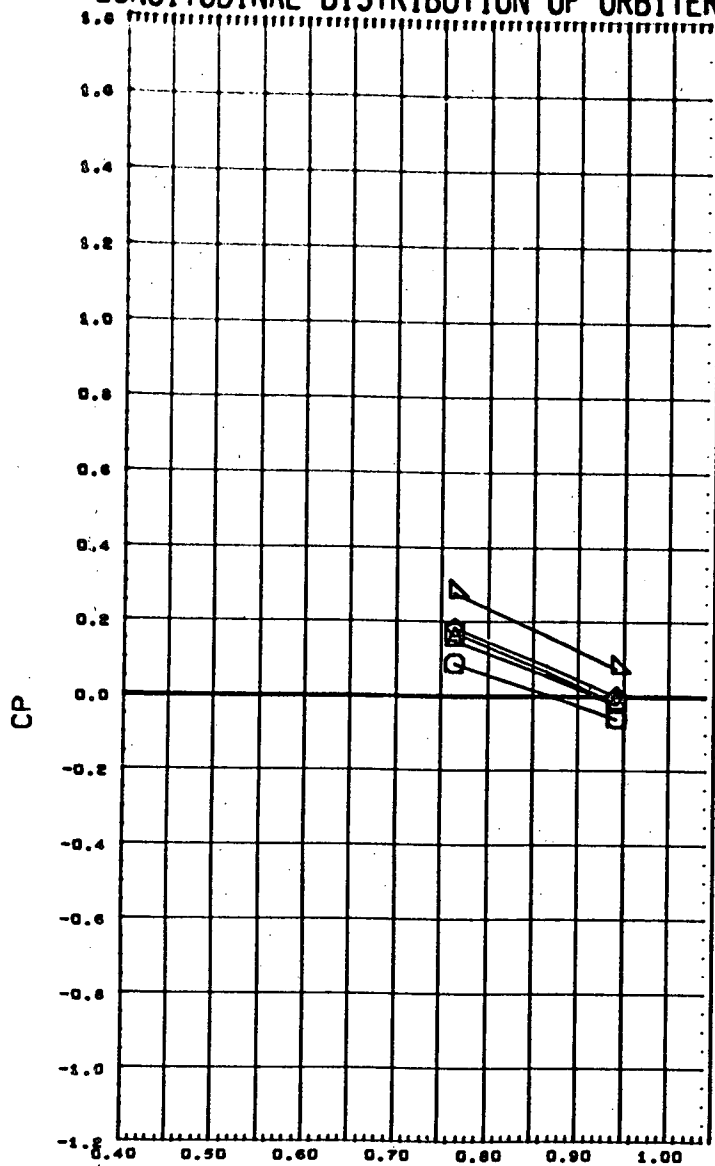


SYMBOL	ALFB	Y/B	M1
○	- 8.281	0.568	1.099
◇	- 5.784	0.738	
△	- 3.817		
□	- 1.823		
—	- 0.455		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	DX/L	0.036
I	0.000	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

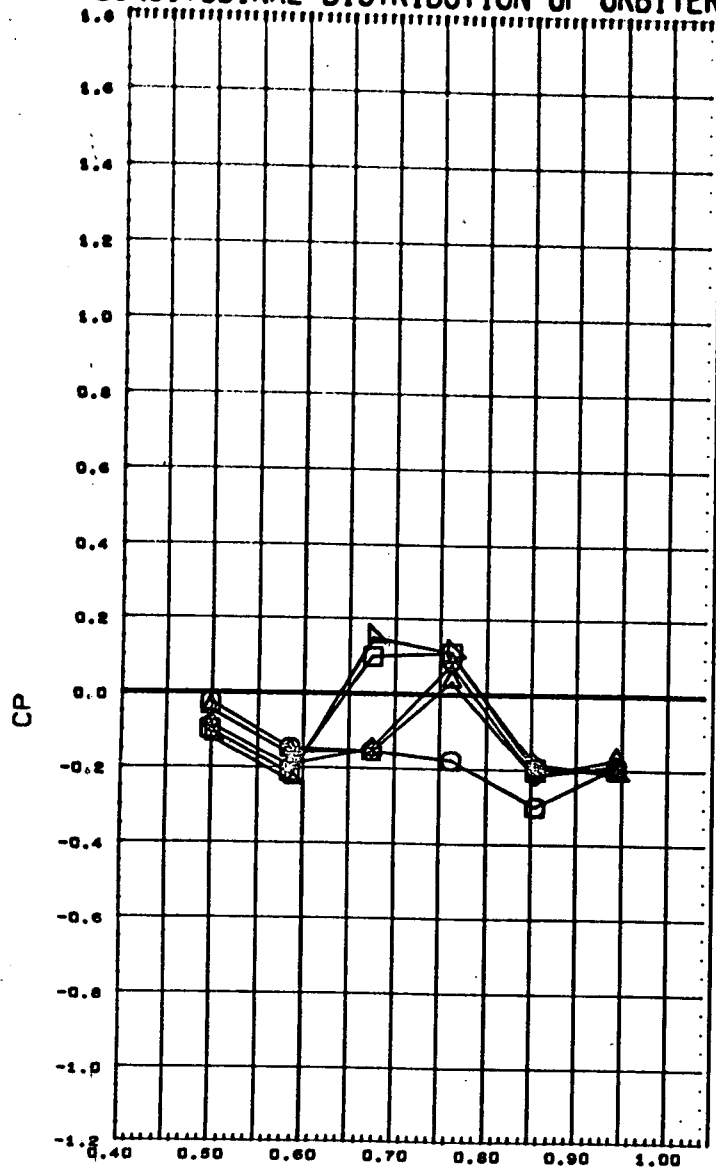


SYMBOL	ALFB	Y/B	M1
△	2.207	0.568	1.099
□	4.199	0.738	
◇	6.174		
○	8.149		
+	9.946		

REFERENCE FILE

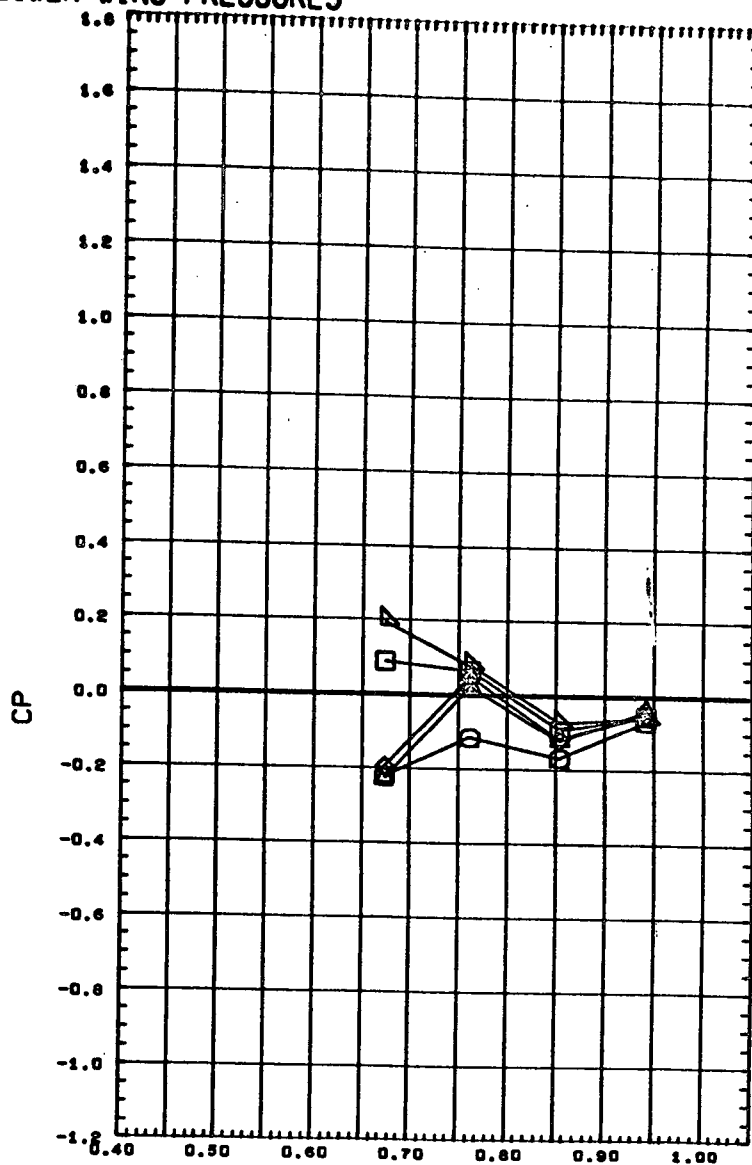
	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L
I	3.600	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



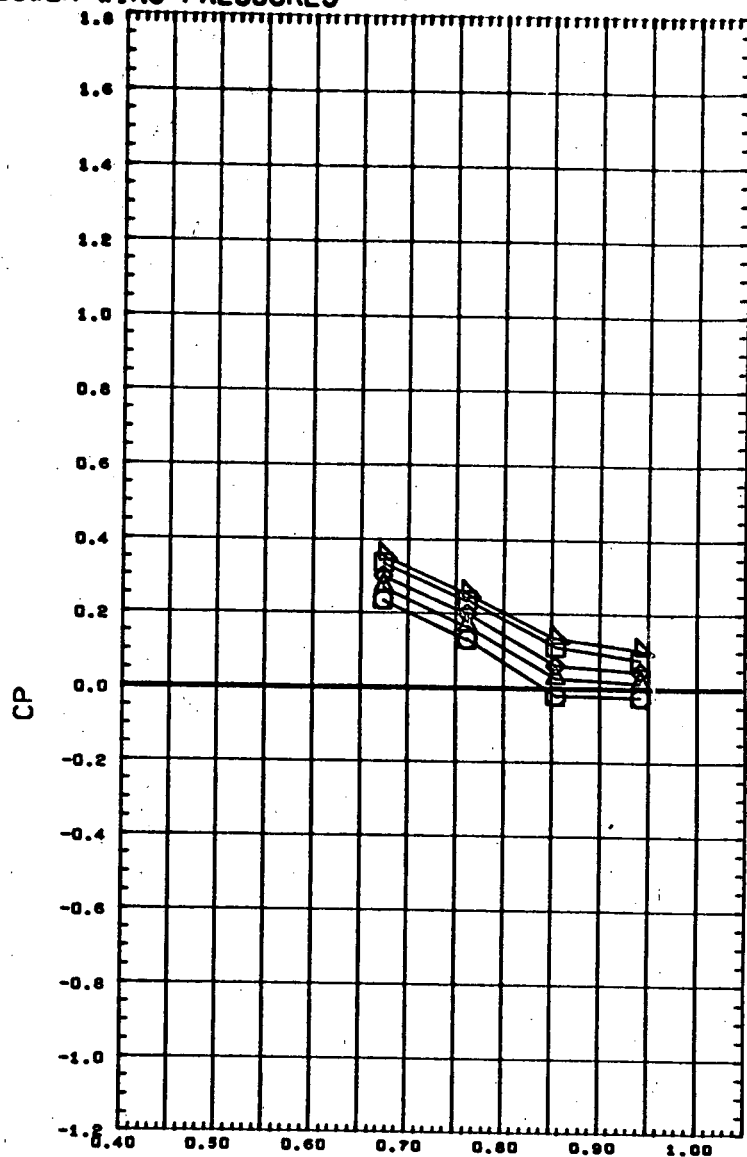
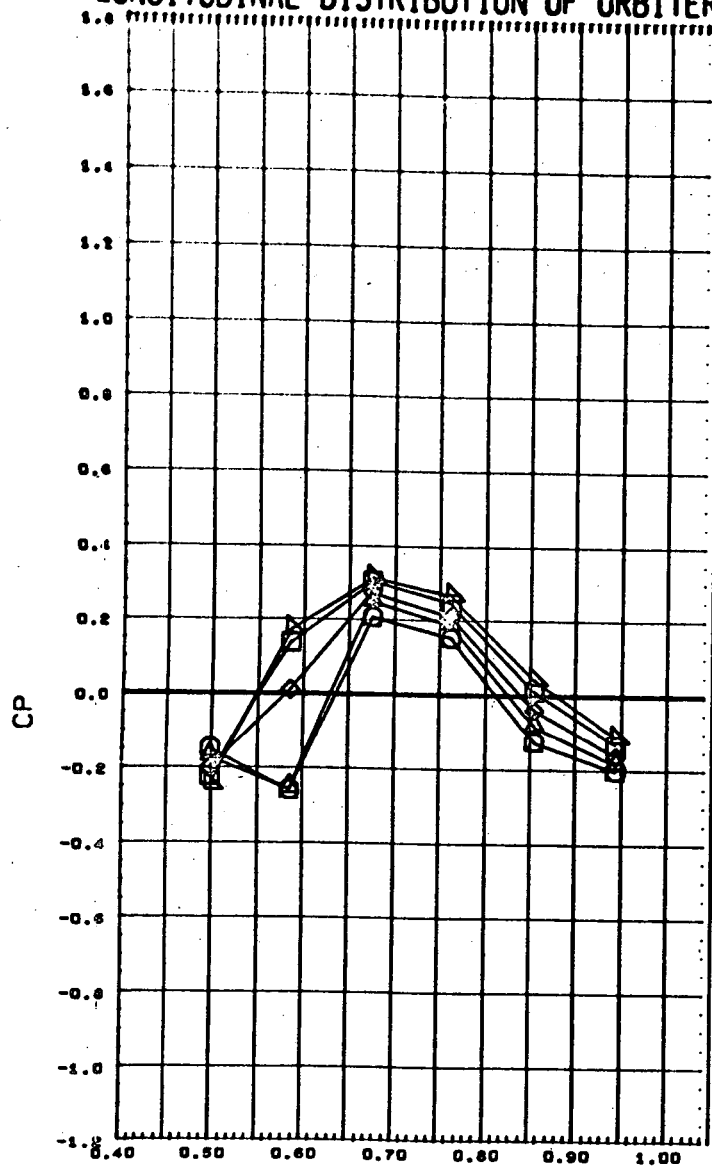
SYMBOL	ALFB	Y/B	M1
△	8.310	0.230	1.199
□	5.780	0.399	
◇	3.815		
○	1.813		
×	0.450		

REFERENCE FILE



	BETA	PARAMETRIC VALUES	0X/L	0.036
I	3.600			

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

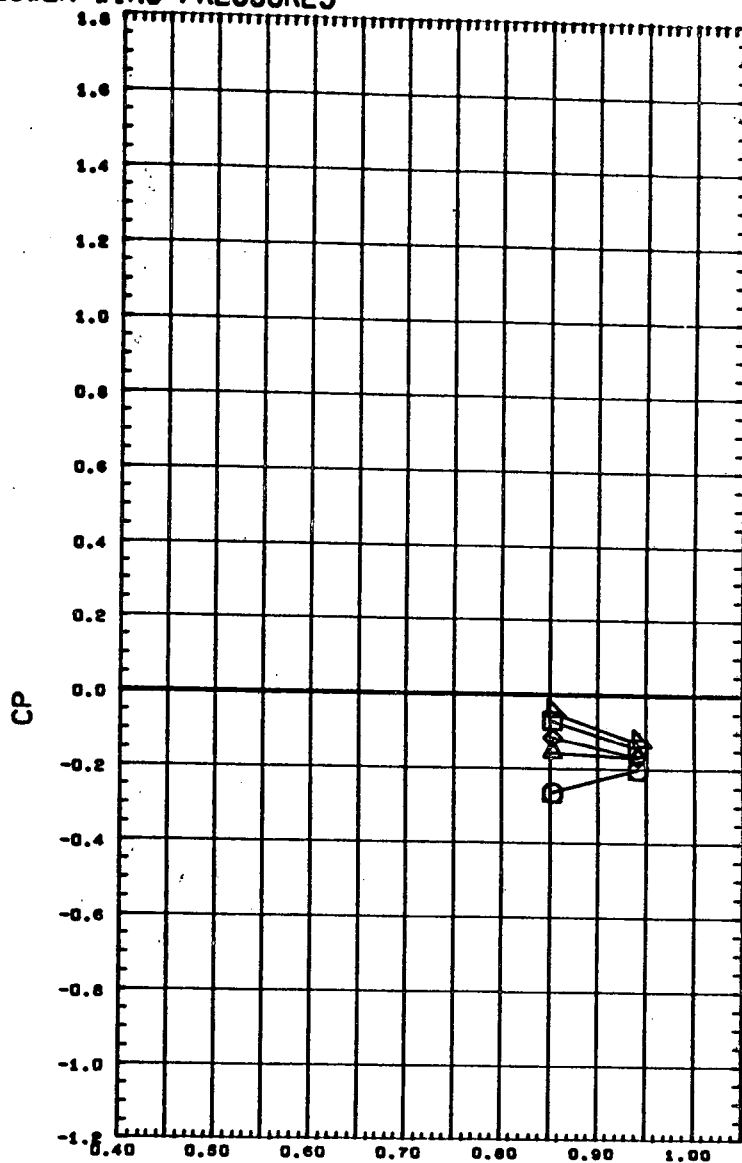
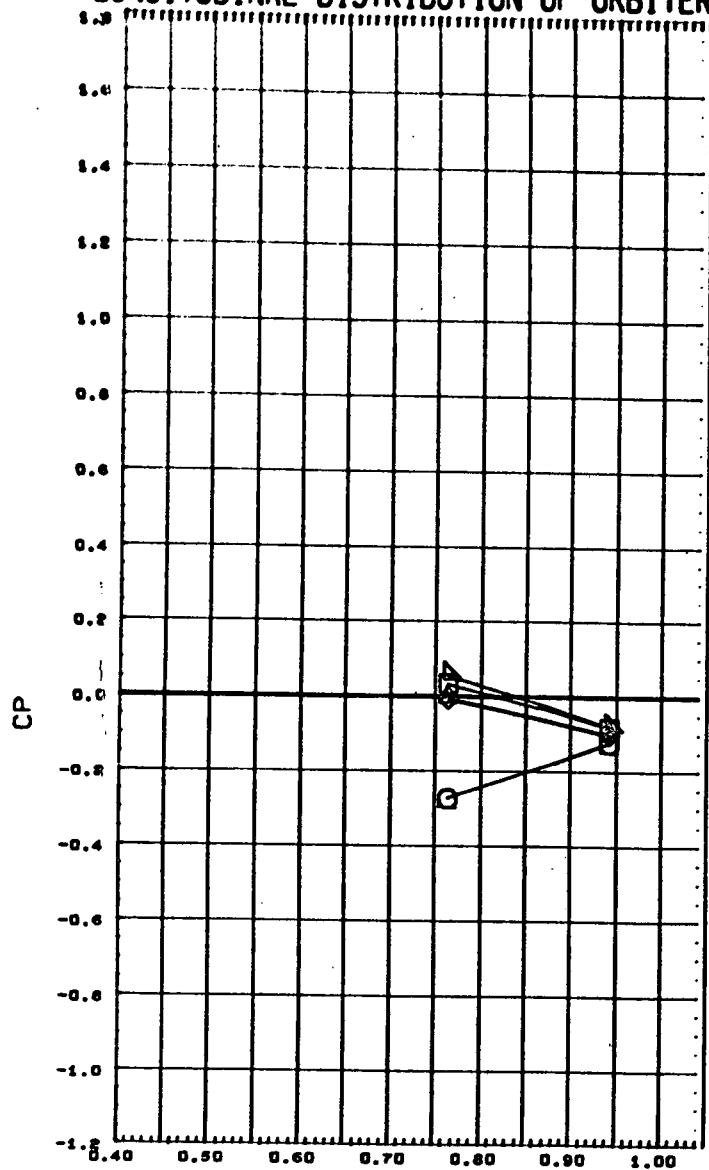


SYMBOL	ALFB	Y/B	X/L
○	2.219	0.230	1.199
△	4.179	0.399	
◇	6.175		
□	8.168		
▽	9.932		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	3.800	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

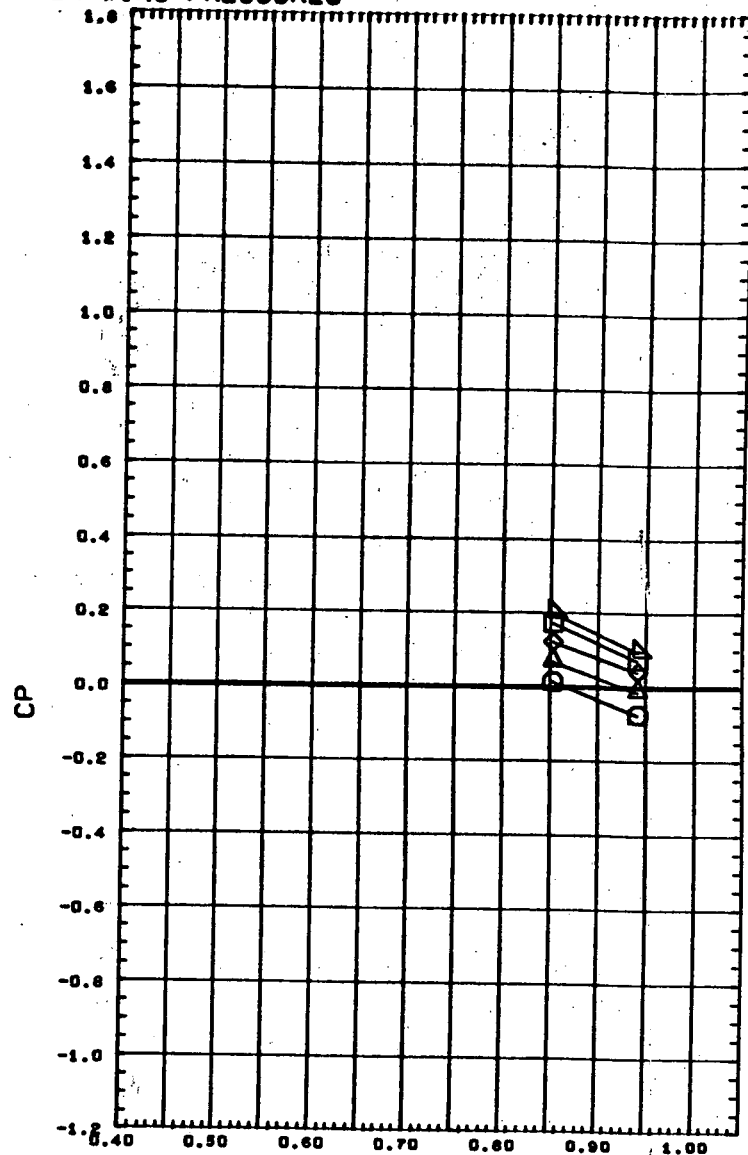
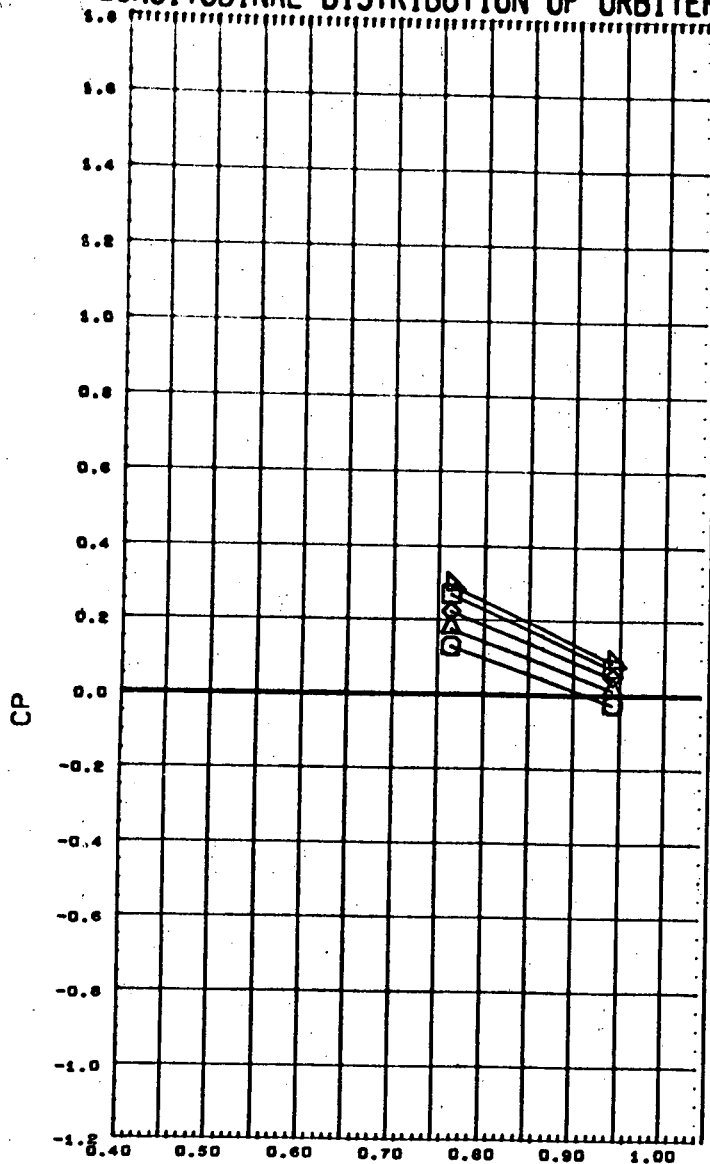


X/L			
SYMBOL	ALFB	Y/B	M1
◇	- 8.310	0.568	1.199
△	- 9.780	0.738	
○	- 3.815		
□	- 1.815		
◇	- 0.490		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
0.000	0X/L	0.036
1	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

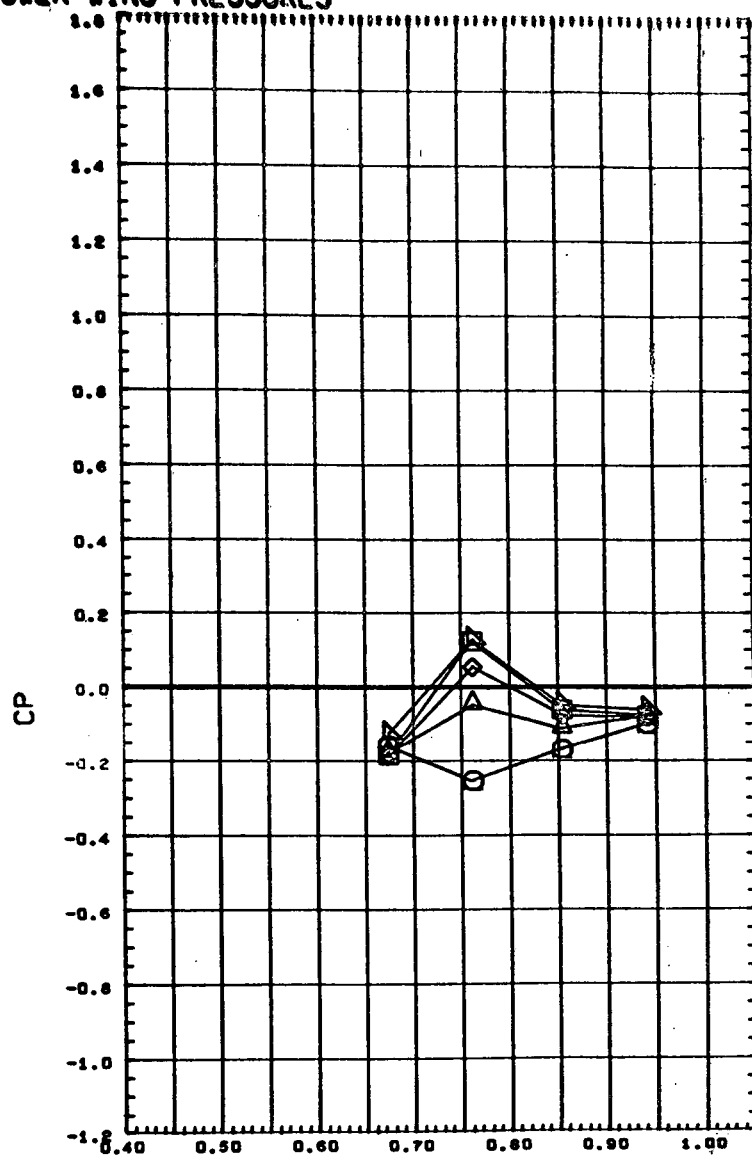
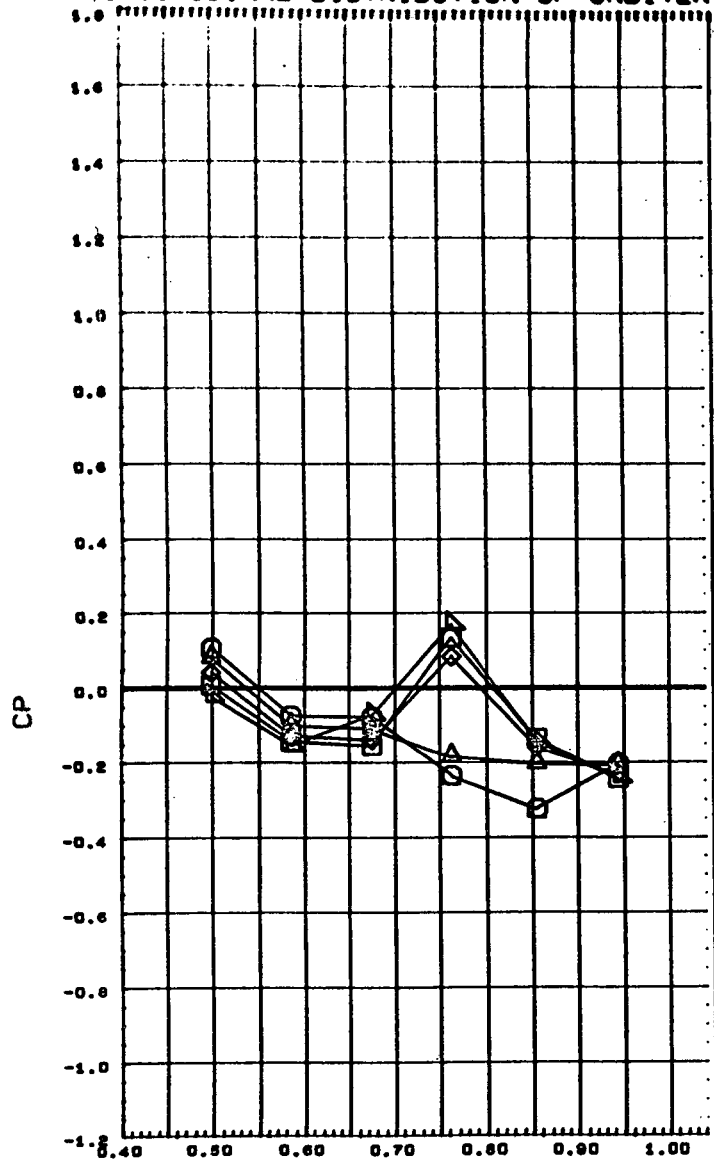


SYMBOL	ALFB	Y/B	M1
○	2.219	0.568	1.199
△	4.179	0.738	
◇	6.175		
□	8.168		
⊠	9.532		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	0.036
I	0.000		
	3.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

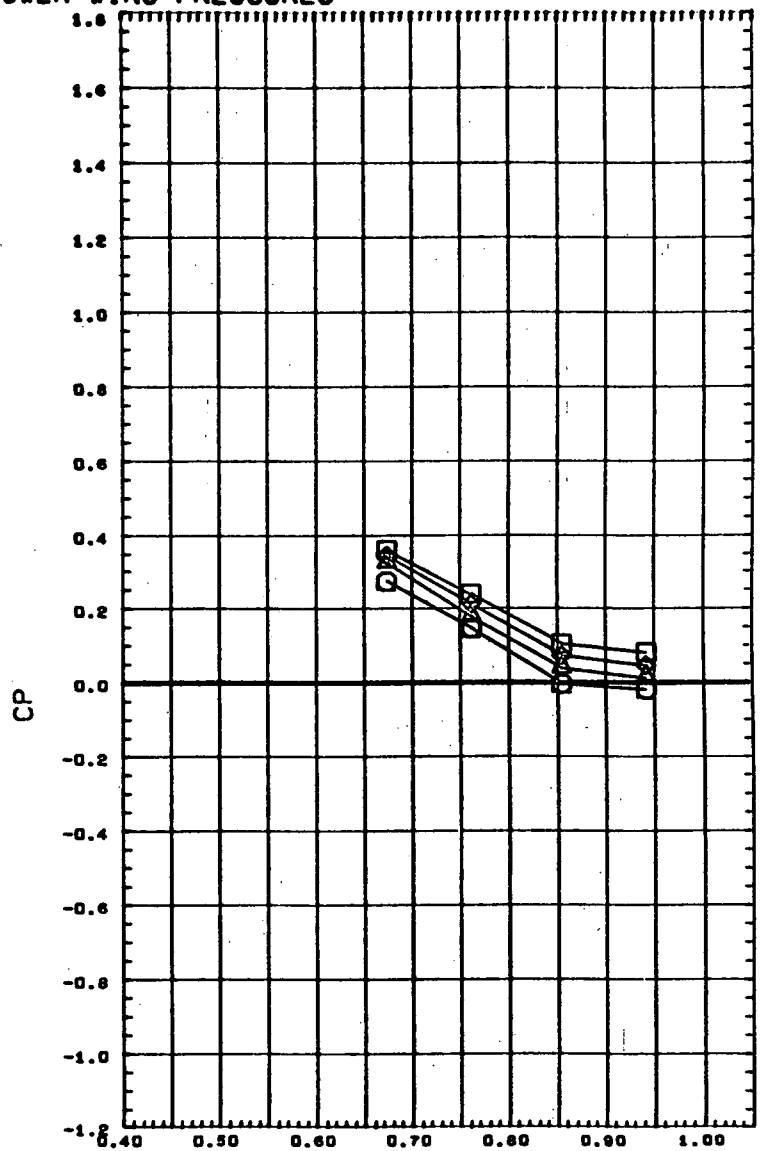
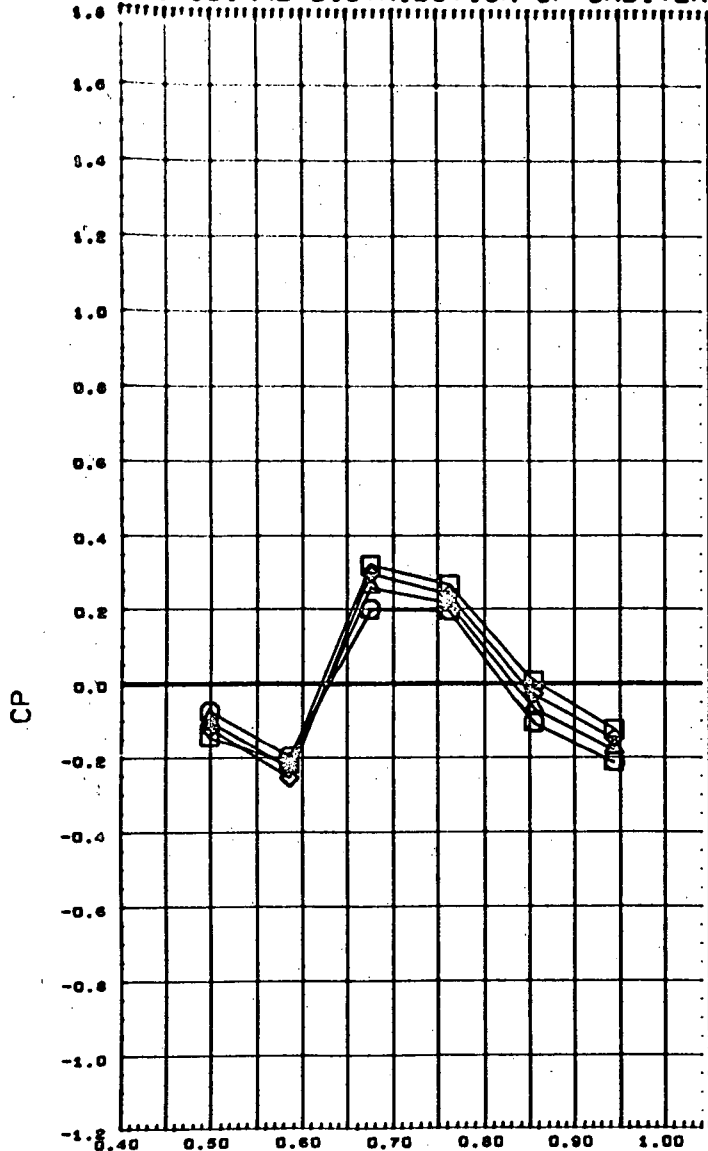


SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.230	1.297
△	- 9.788	0.399	
◇	- 3.823		
□	- 1.808		
▽	- 0.447		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	0X/L	0.036
I	3.800			

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

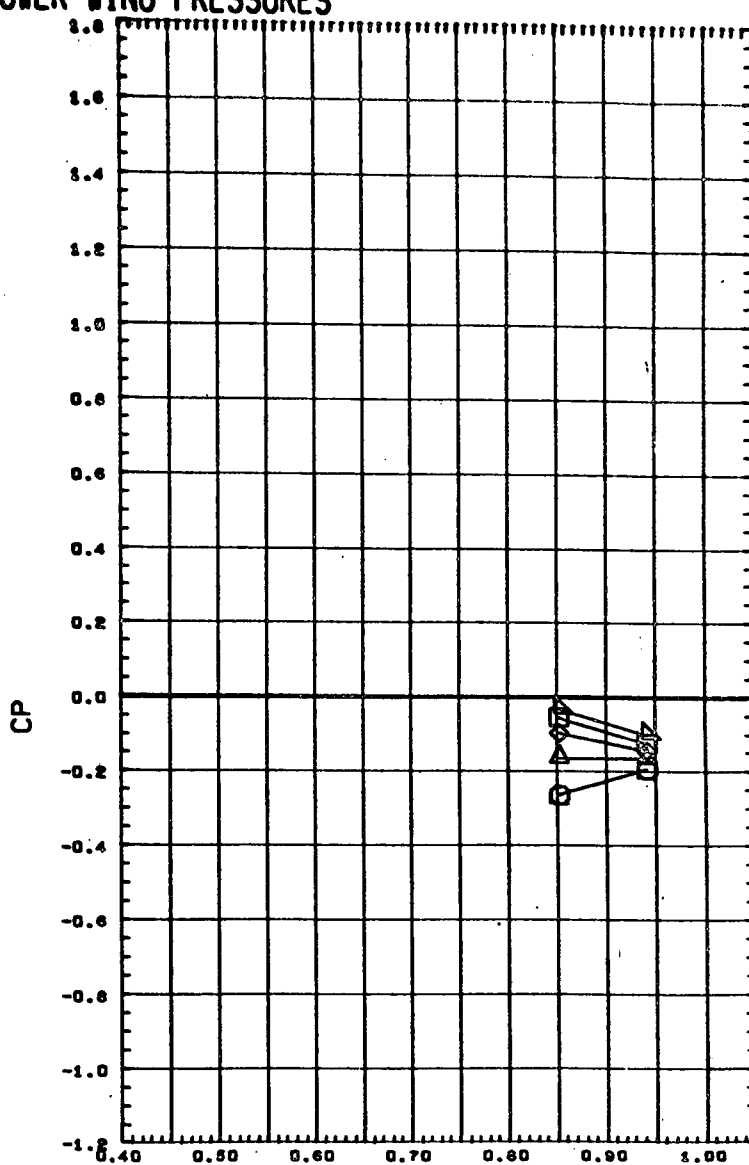
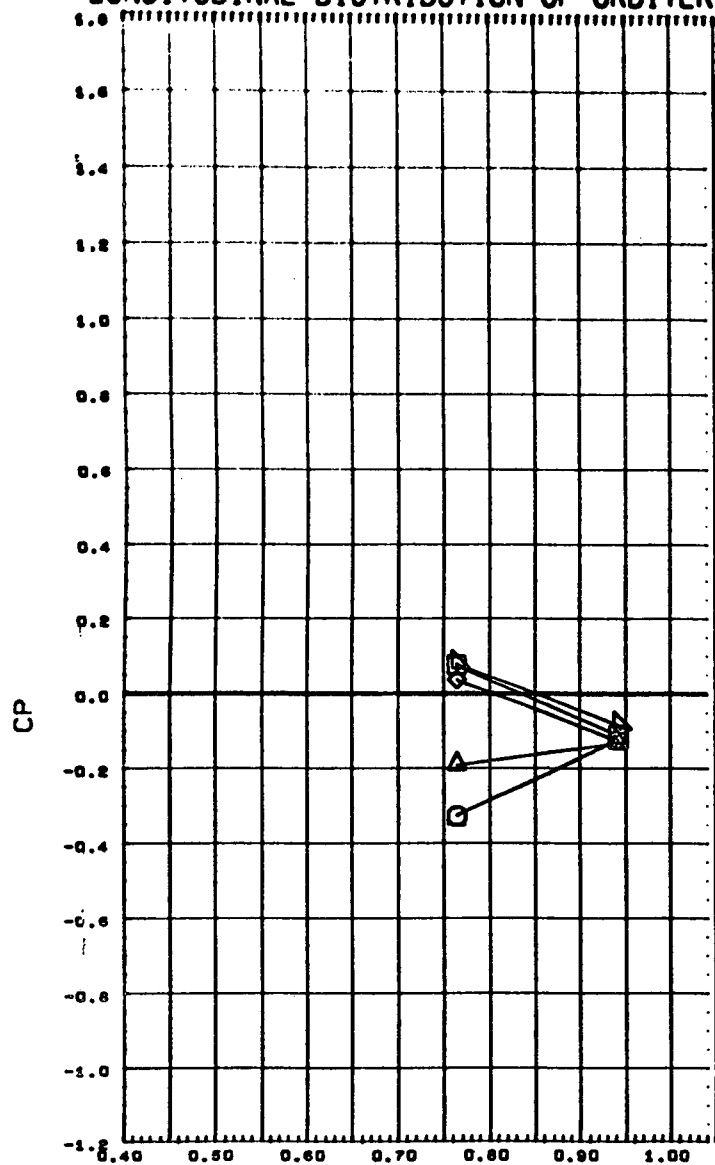


SYMBOL	ALFB	Y/B	M1
○	2.215	0.230	1.297
△	4.170	0.399	
◇	6.162		
□	8.160		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	
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	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

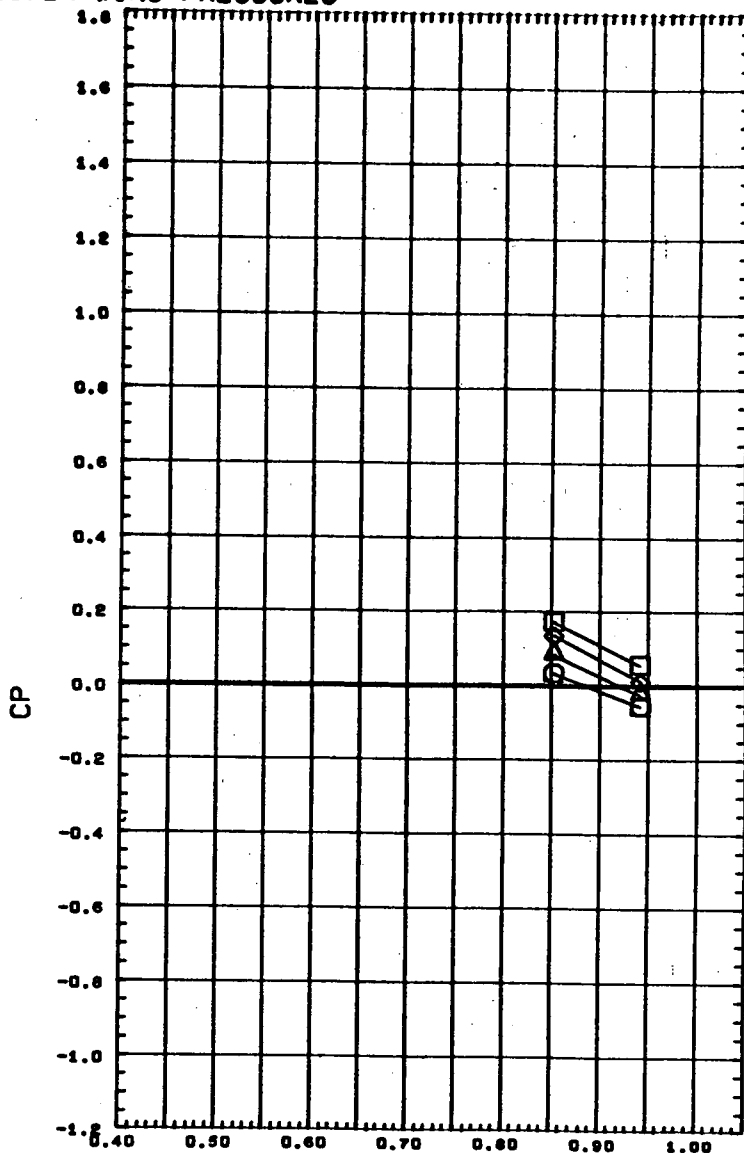
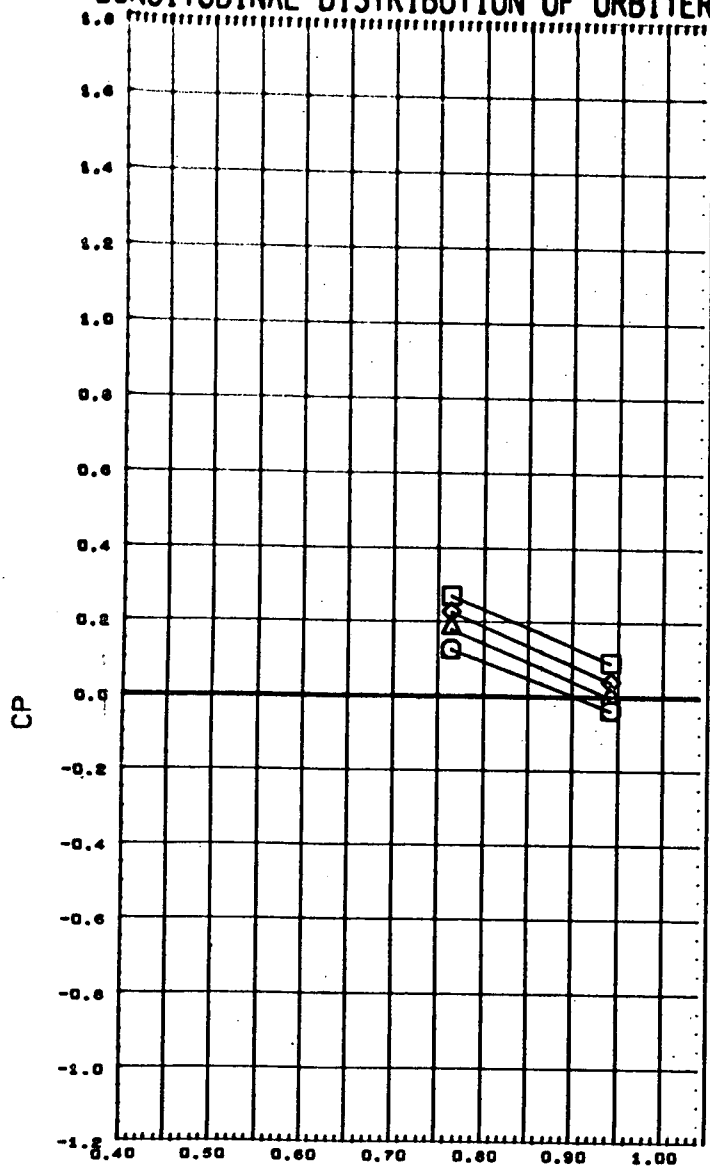


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.568	1.297
△	- 5.788	0.738	
◇	- 3.823		
□	- 1.808		
◻	- 0.447		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

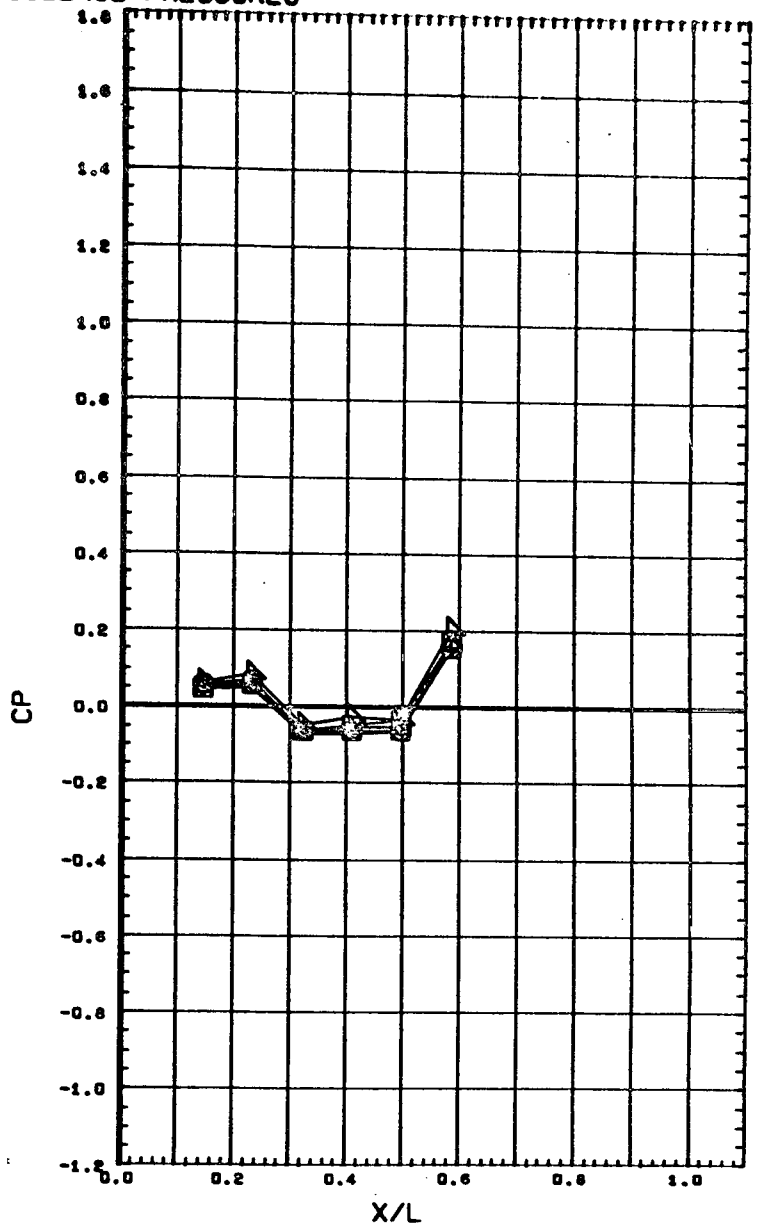
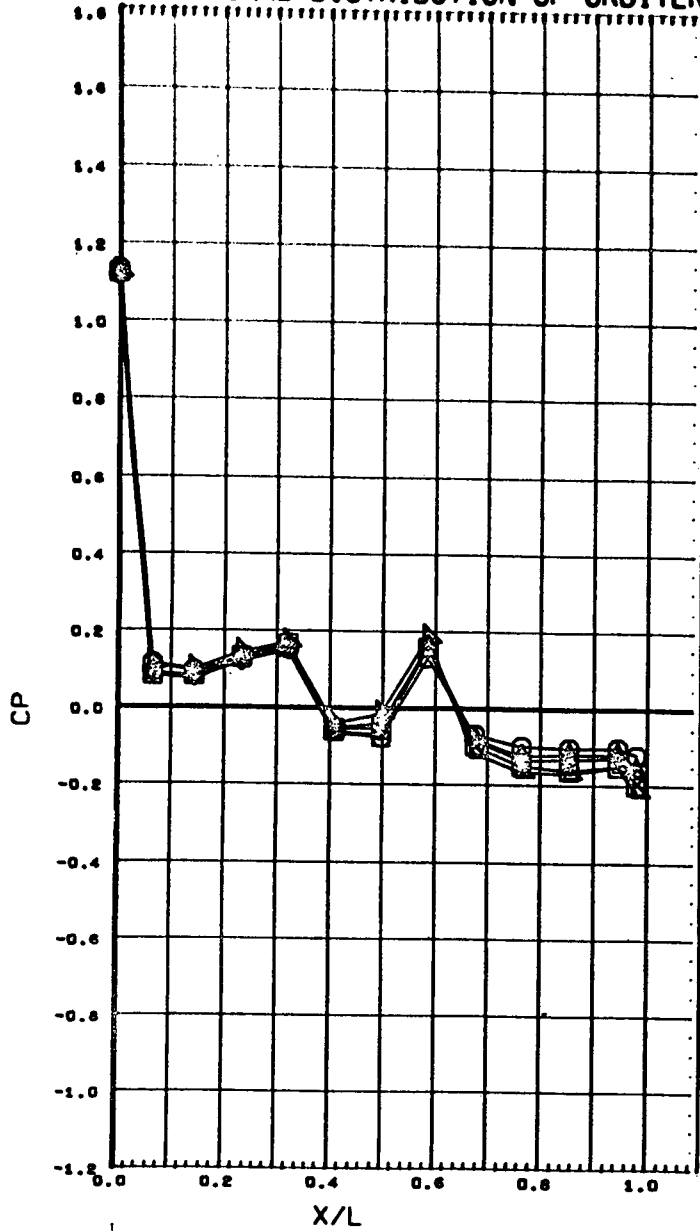


SYMBOL	ALPB	Y/B	M1
○	2.215	0.568	1.297
△	4.170	0.738	
◇	6.162		
□	8.160		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	3.600
OX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

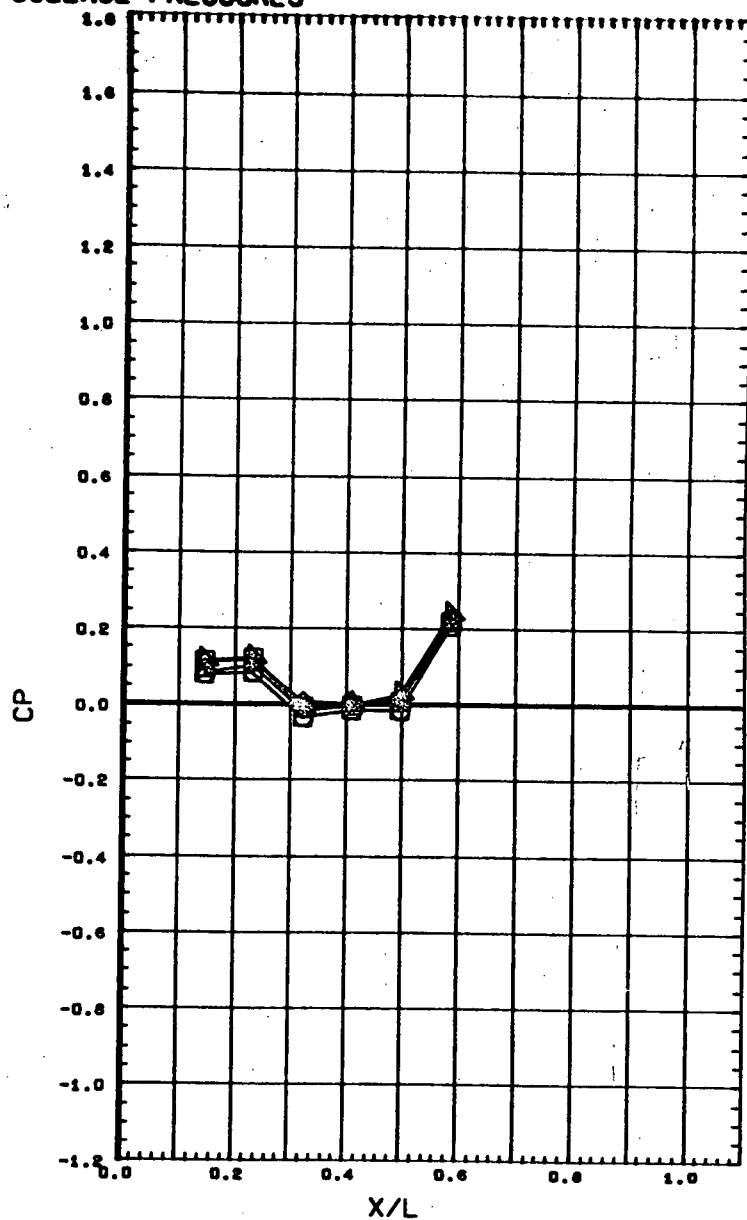
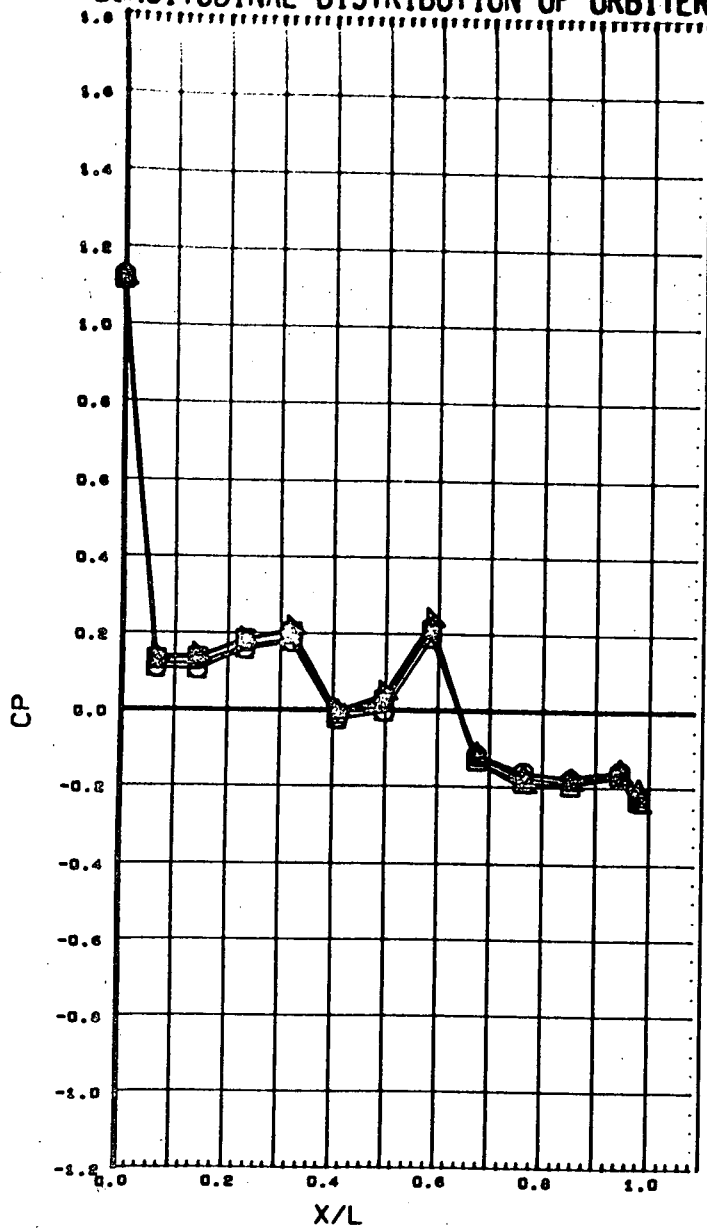


SYMBOL	ALFB	Y/B	M1
○	8.188	0.000	0.598
△	5.890	0.076	
◇	3.880		
□	1.881		
○	0.100		

REFERENCE FILE

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

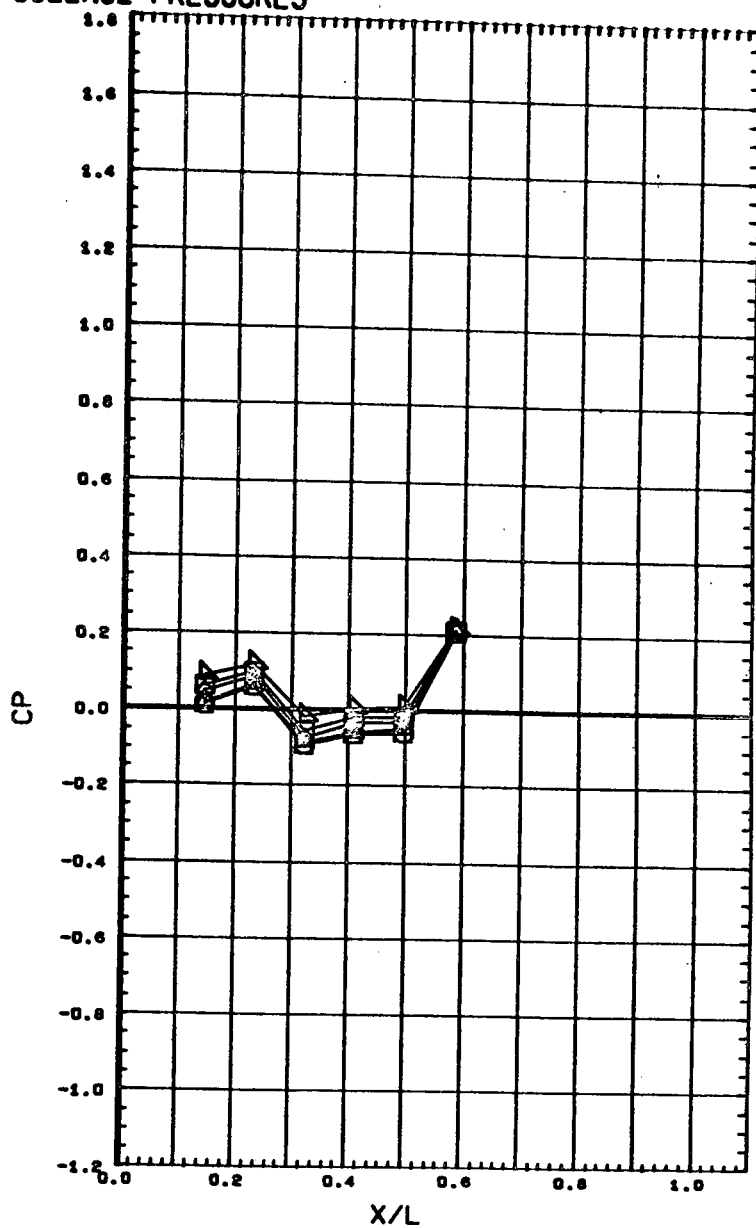
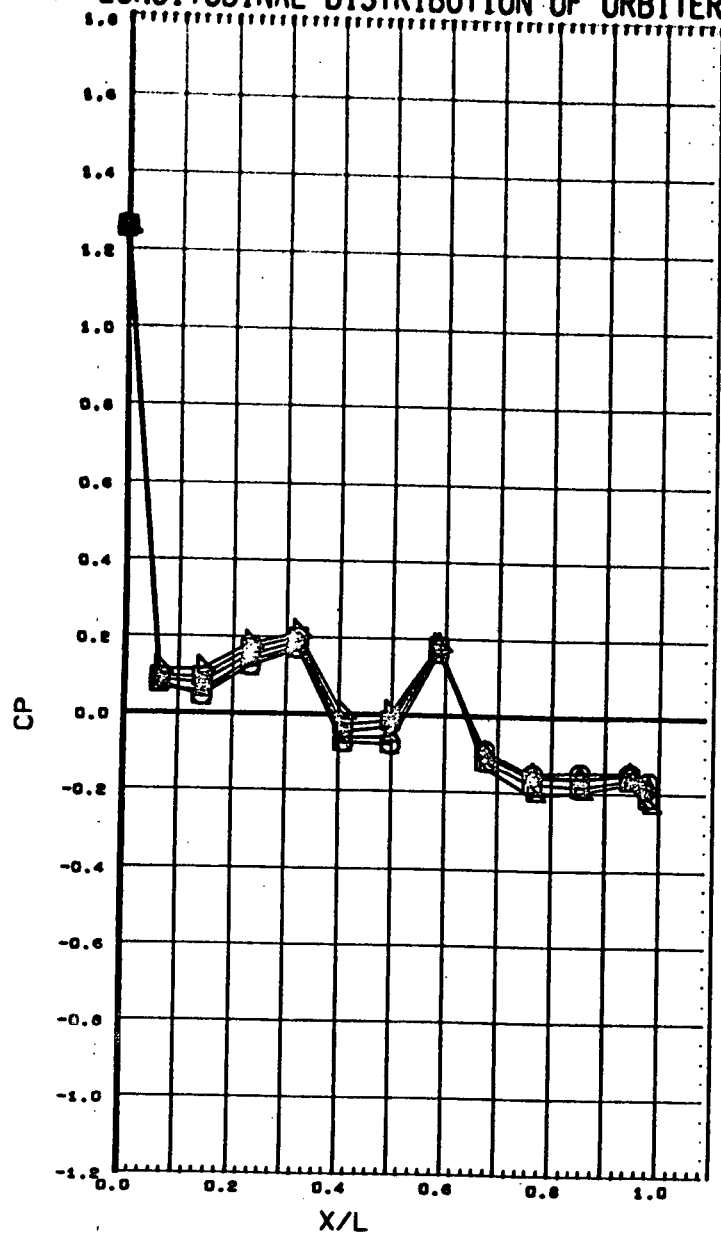


SYMBOL ALFB Y/B M1
 2.097 0.000 0.598
 4.096 0.076
 6.063
 8.094
 10.082

REFERENCE FILE

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

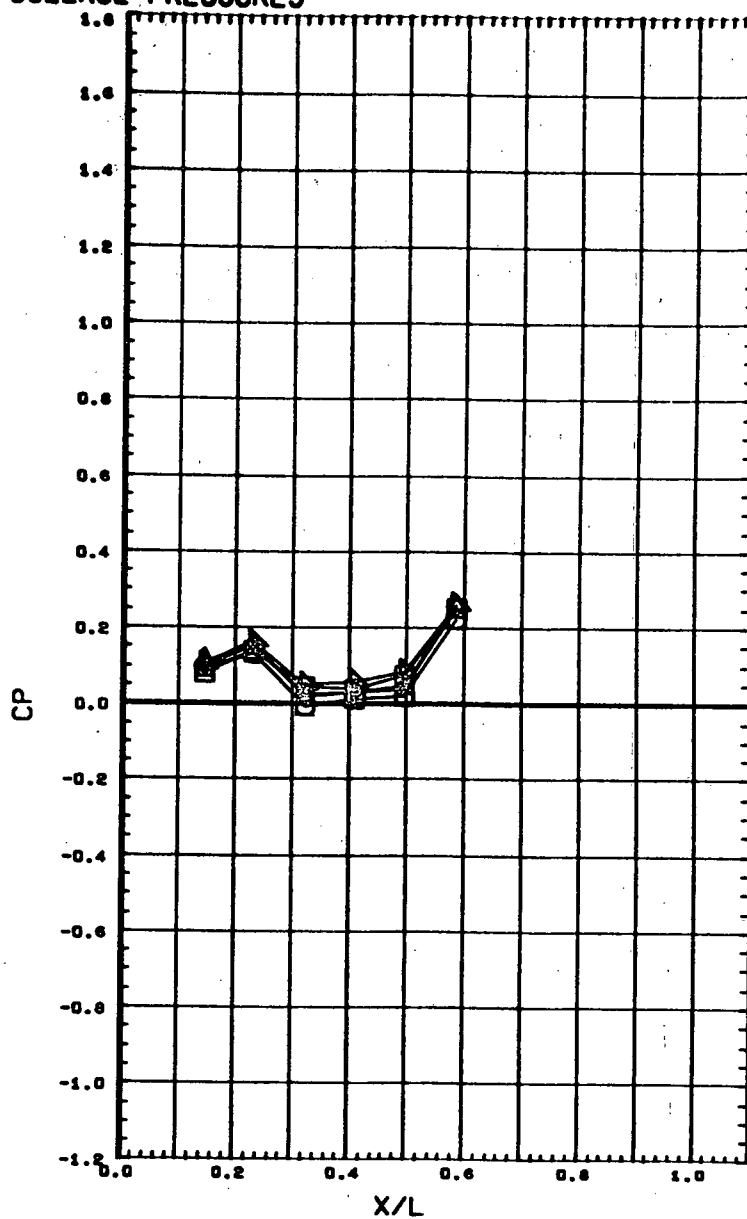
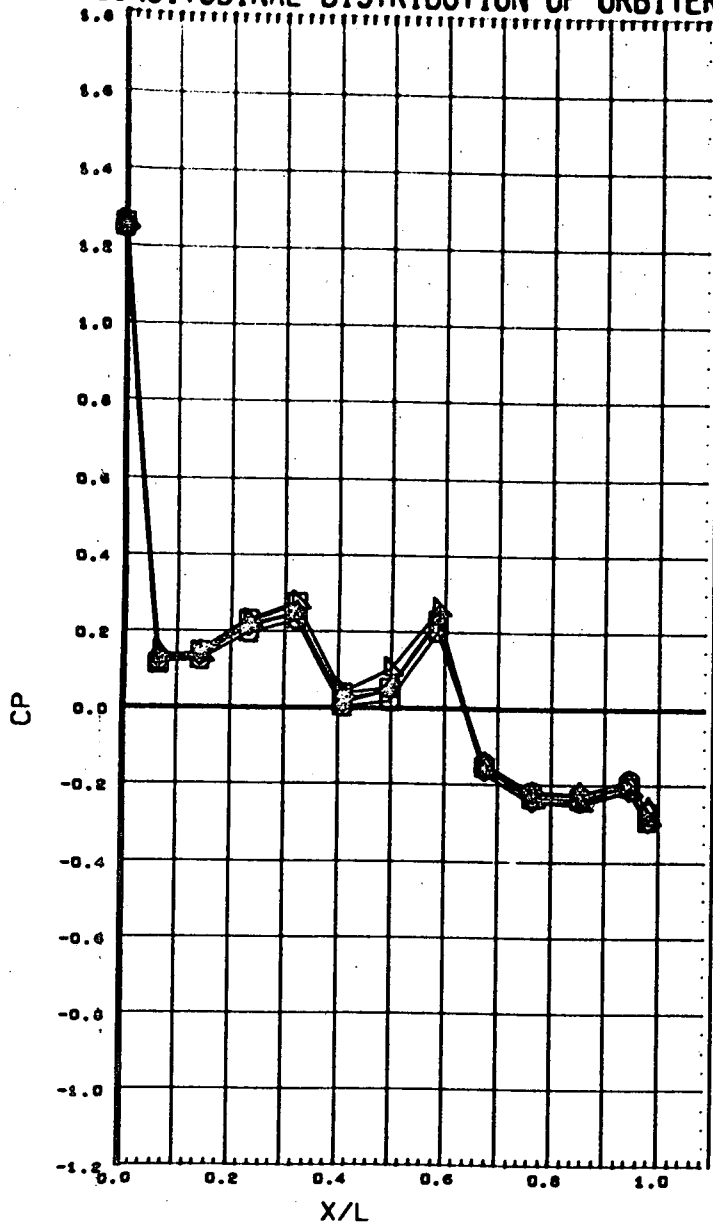


SYMBOL	ALFB	Y/B	M1
○	- 7.940	0.000	0.900
△	- 5.847	0.076	
◇	- 3.836		
□	- 1.843		
▽	0.144		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	OX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

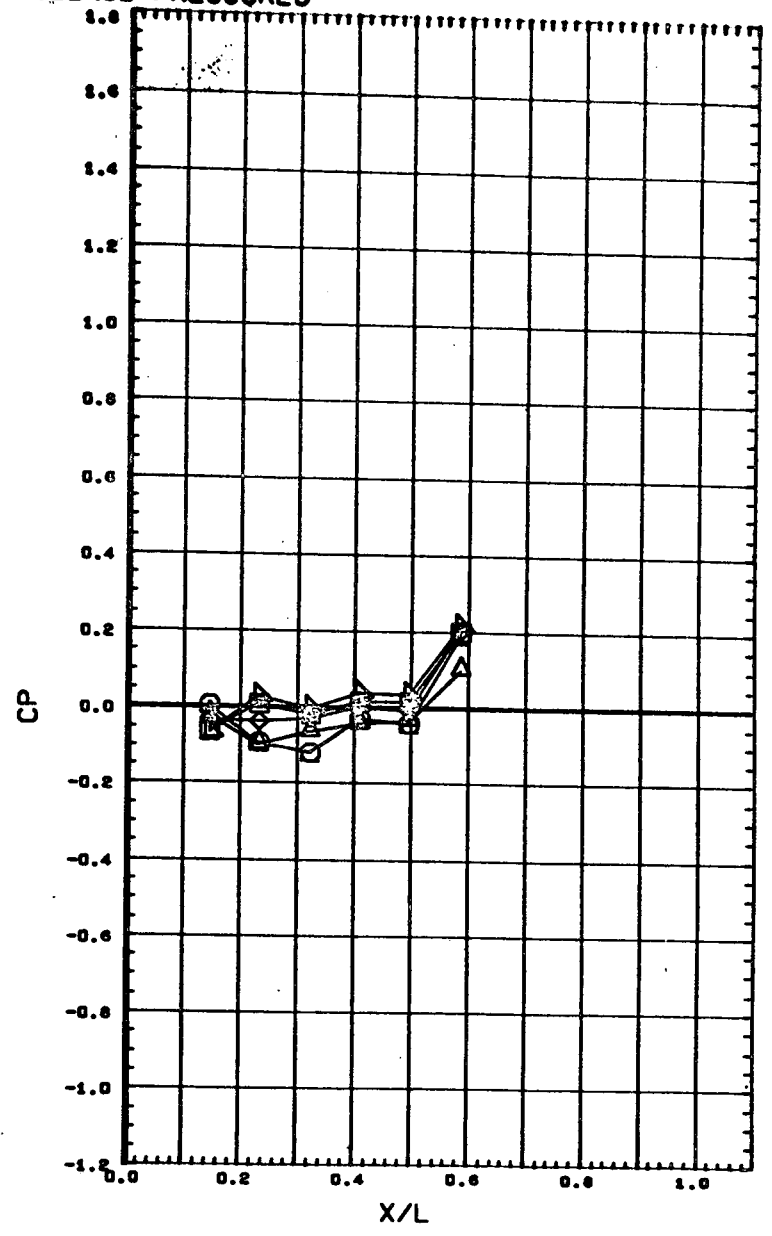
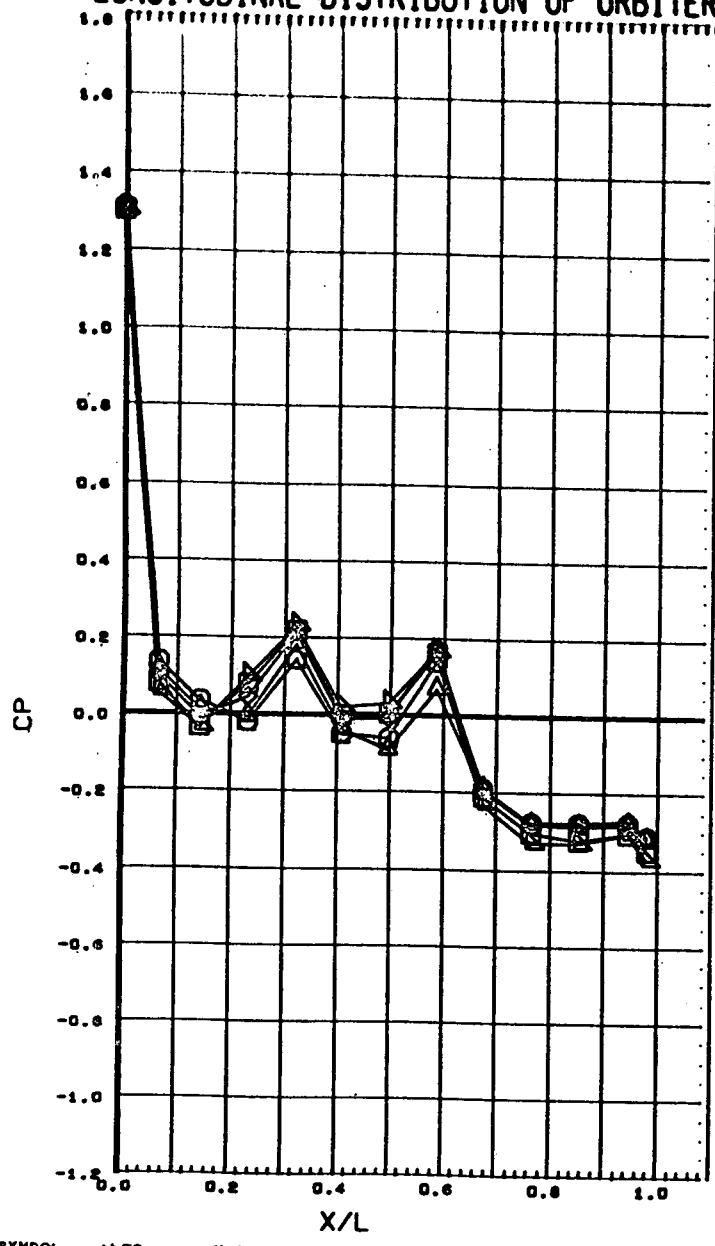


SYMBOL	ALFB	Y/B	M1
△	2.153	0.000	0.900
◇	4.141	0.076	
◇	6.125		
◇	8.130		
◇	10.089		

REFERENCE FILE

BETA	PARAMETRIC VALUES	DX/L	
1	0.000	0.000	- 0.194

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

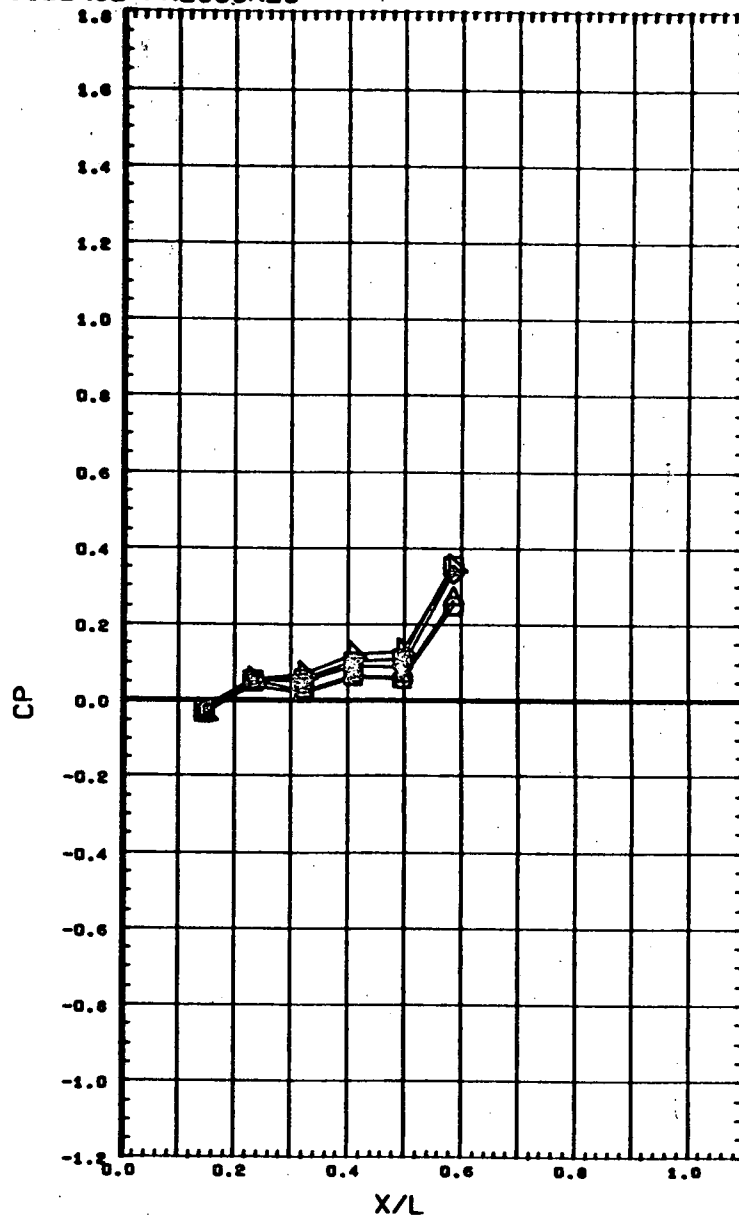
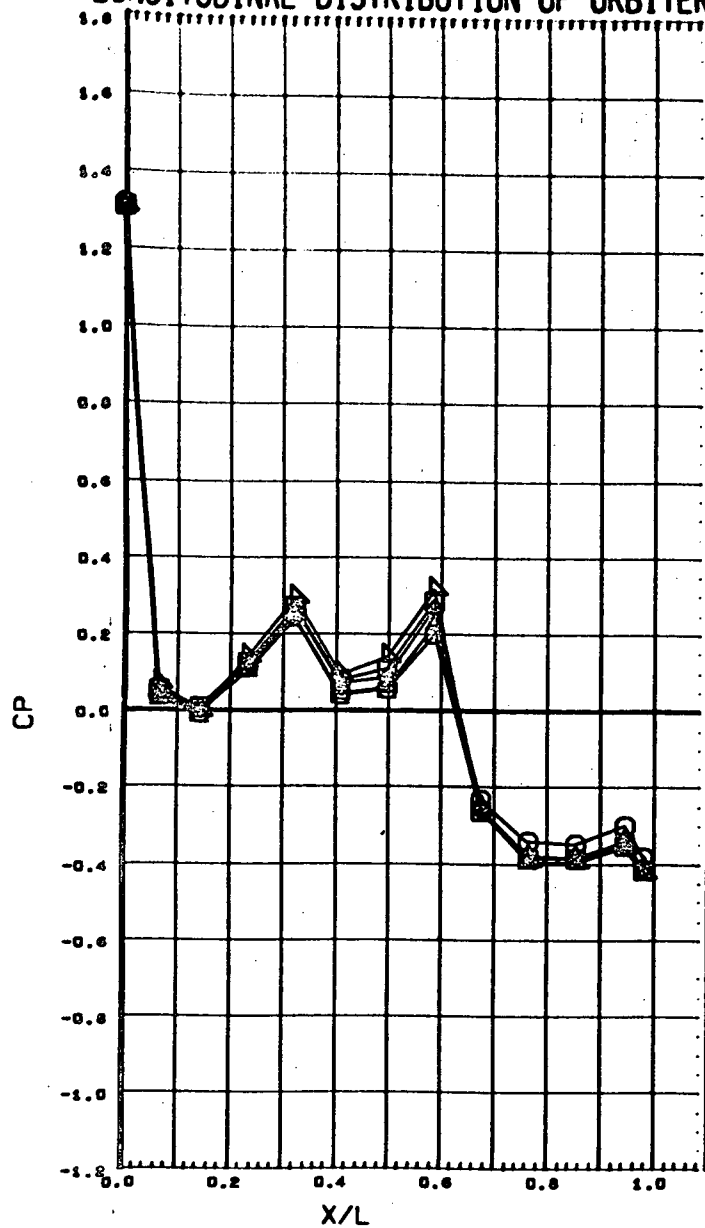


SYMBOL	ALFB	Y/B	M1
○	- 7.910	0.000	1.000
△	- 5.806	0.076	
□	- 3.814		
◇	- 1.822		
◇	0.152		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

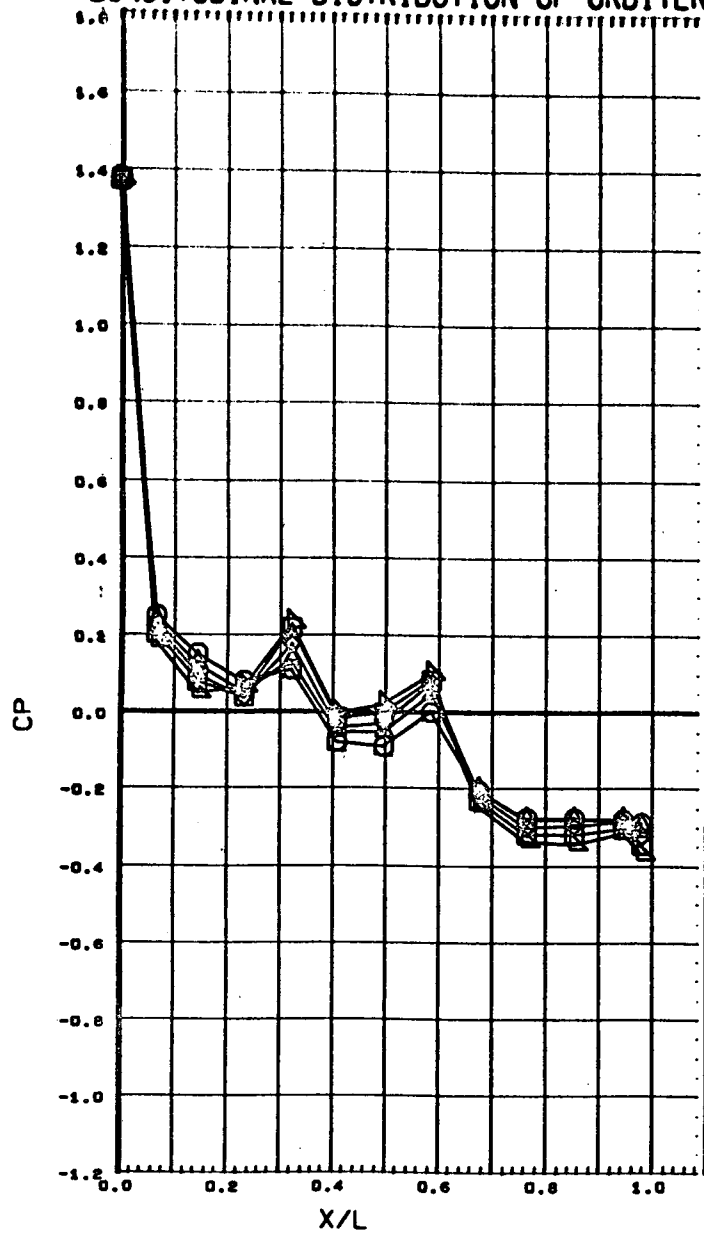


SYMBOL	ALFB	Y/B	M1
○	2.149	0.000	1.000
△	4.157	0.076	
◇	6.143		
□	8.134		
◻	10.121		

REFERENCE FILE

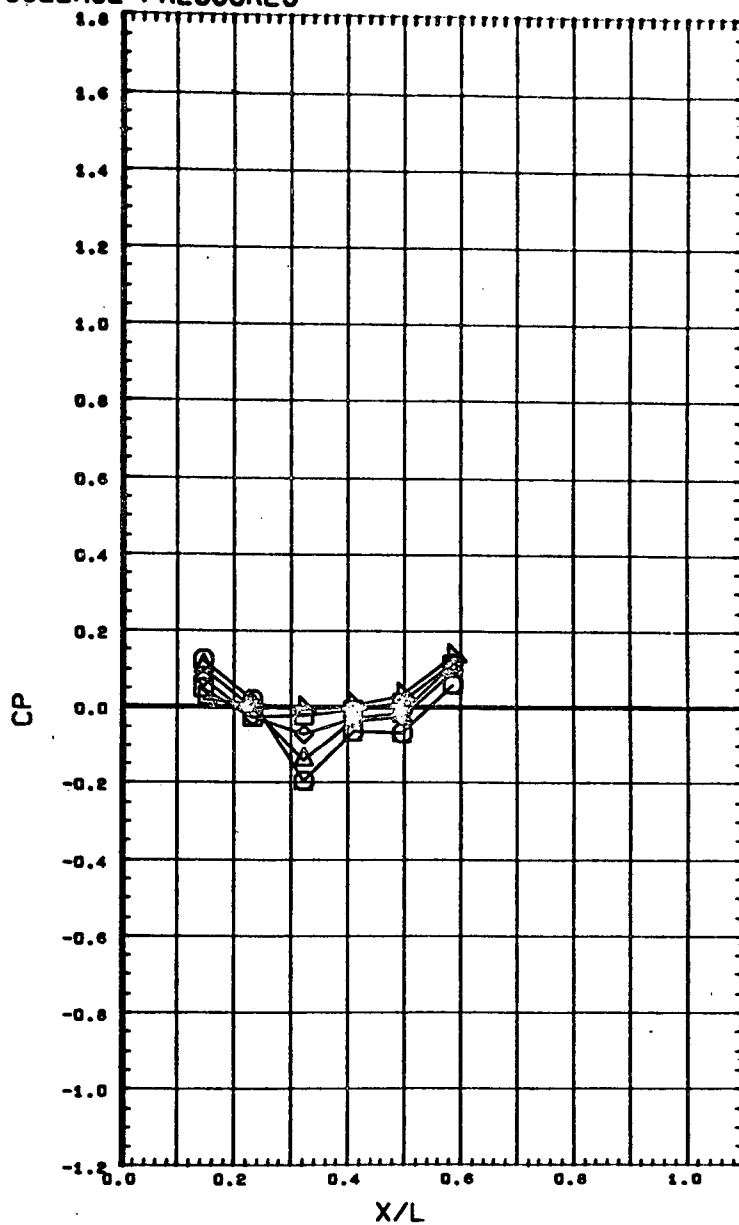
PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



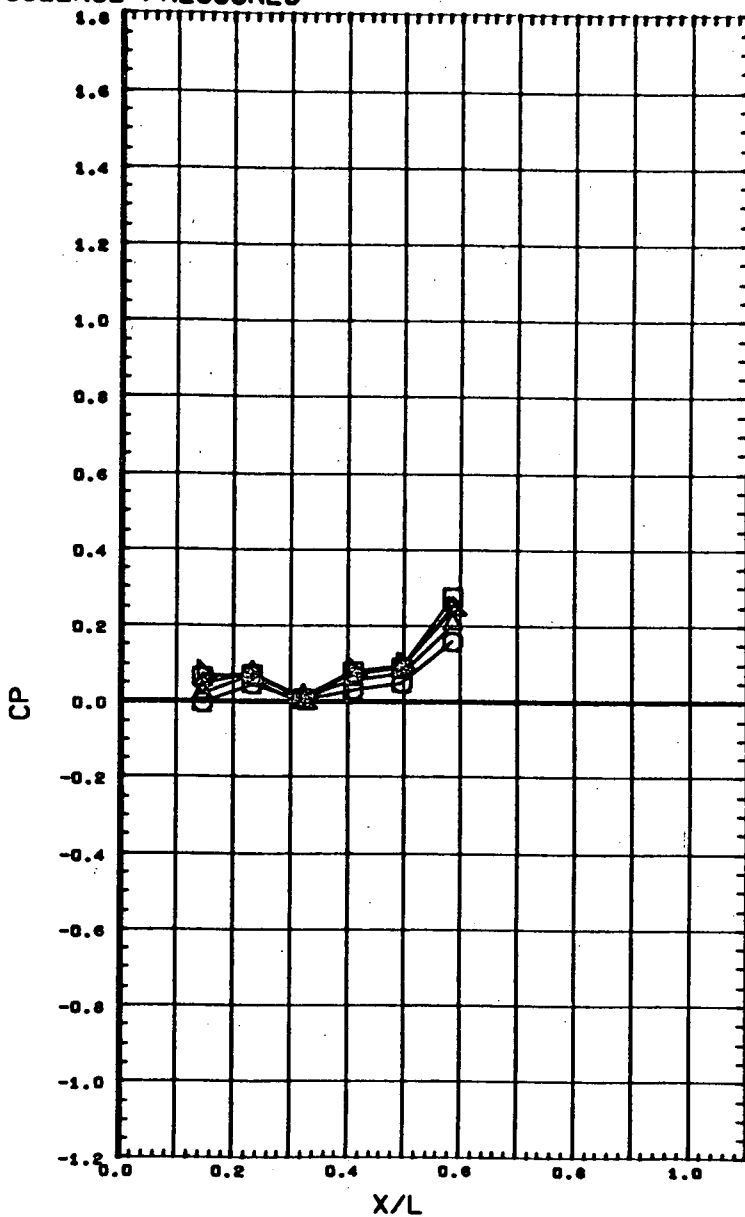
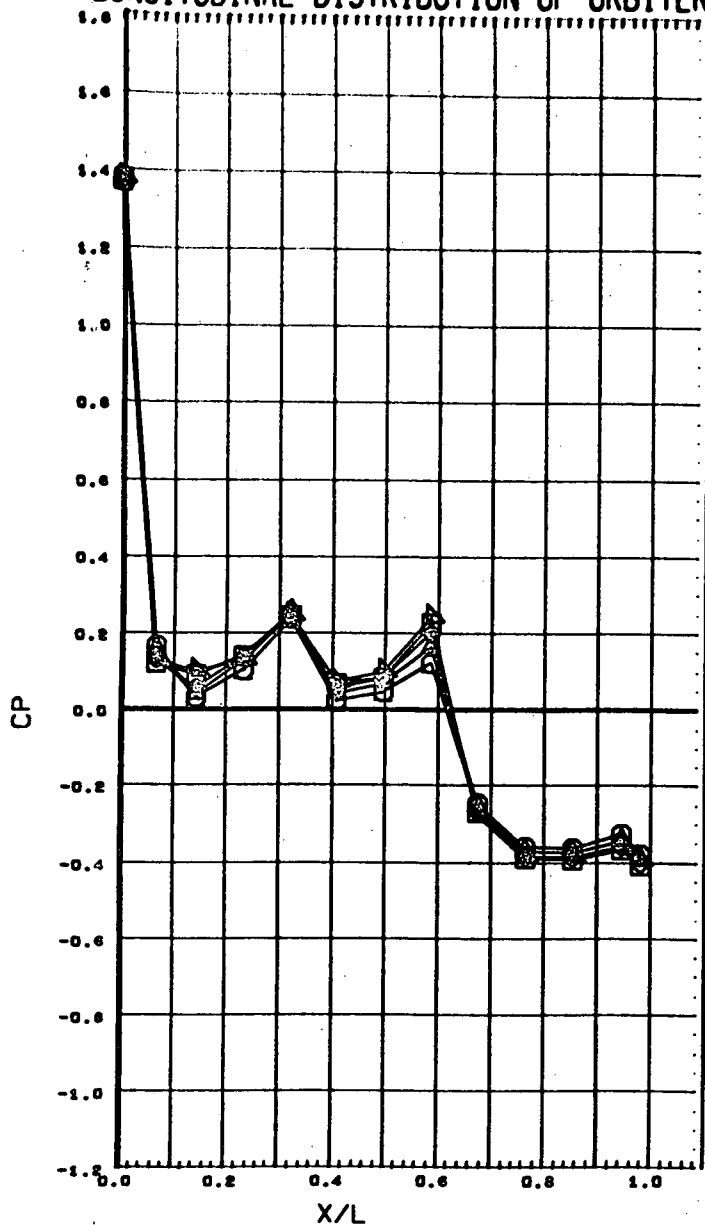
SYMBOL	ALFB	Y/B	M1
○	- 7.928	0.000	1.104
△	- 5.803	0.076	
◇	- 3.824		
□	- 1.828		
◇	0.154		

REFERENCE FILE



PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

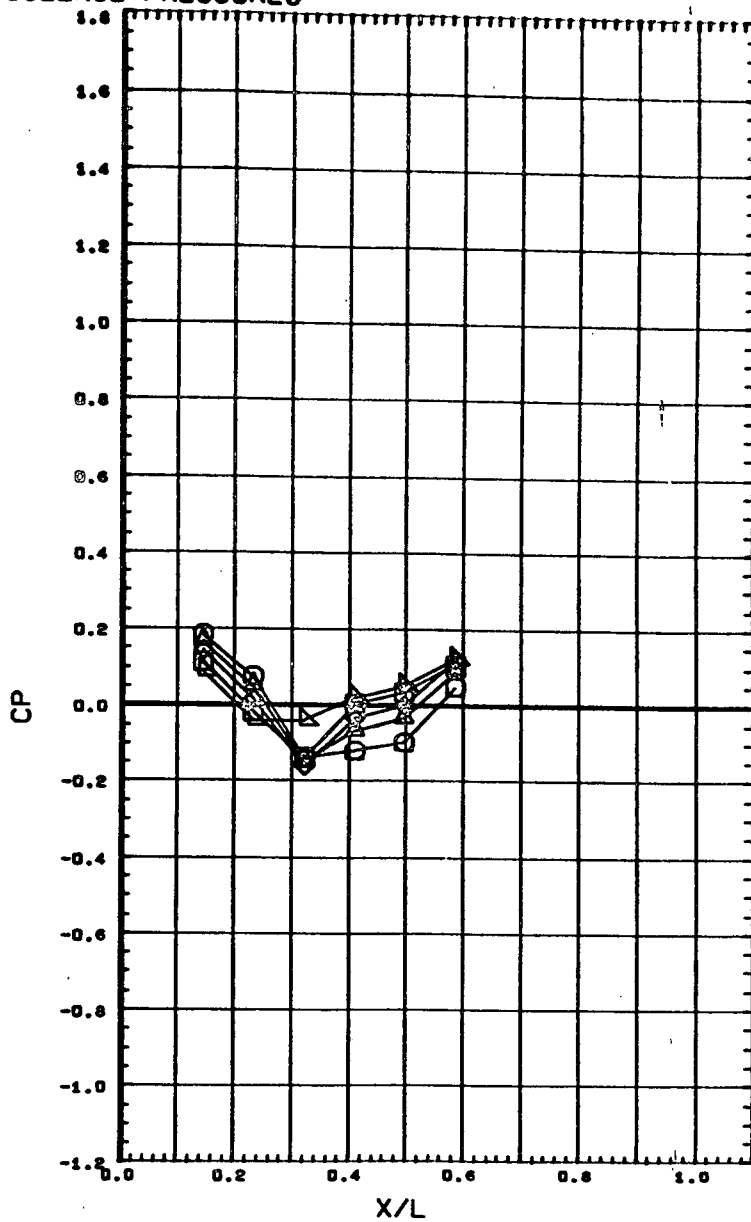
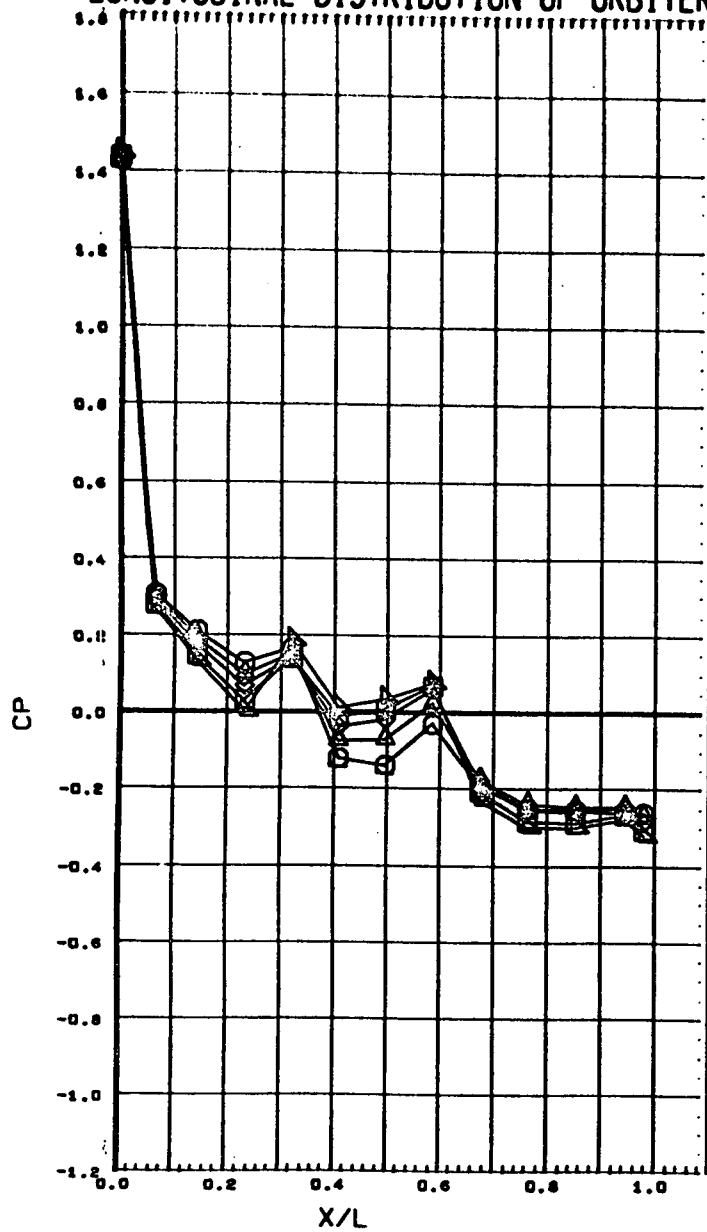


SYMBOL	ALFB	Y/B	M1
○	2.171	0.000	1.104
△	4.198	0.076	
◇	6.148		
□	8.136		
■	10.122		

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L	
I	0.000	-	0.194
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

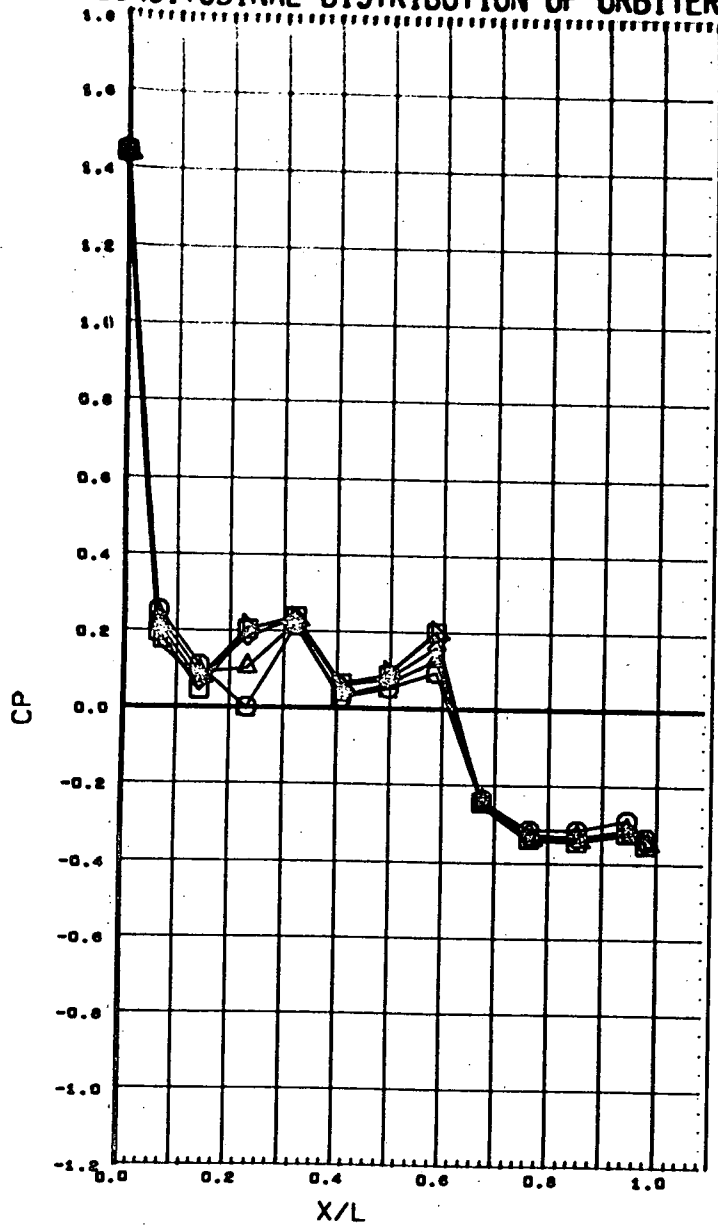


SYMBOL	ALFB	Y/B	M1
○	- 7.923	0.000	1.201
△	- 5.815	0.076	
◇	- 3.827		
◊	- 1.841		
◻	0.145		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	OX/L	- 0.194
I	0.000		

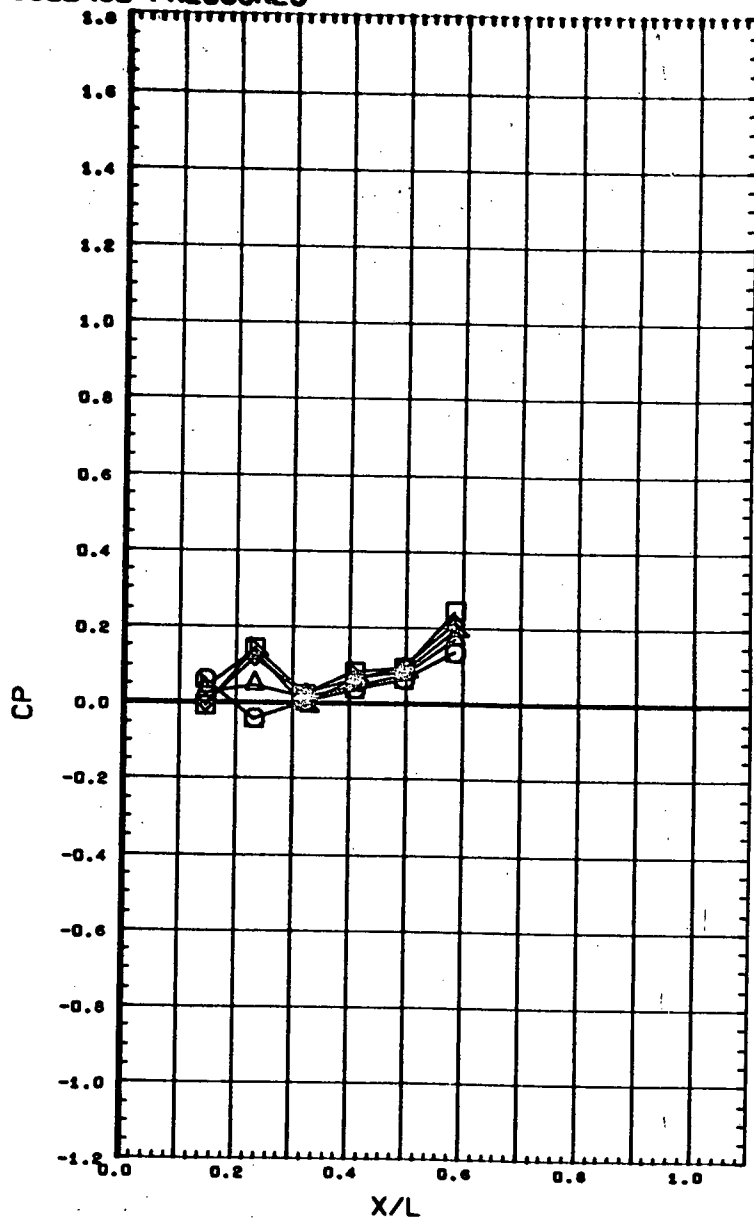
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.167	0.000	1.201
△	4.166	0.076	
◇	6.147		
□	8.143		
◇	10.117		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BODY)

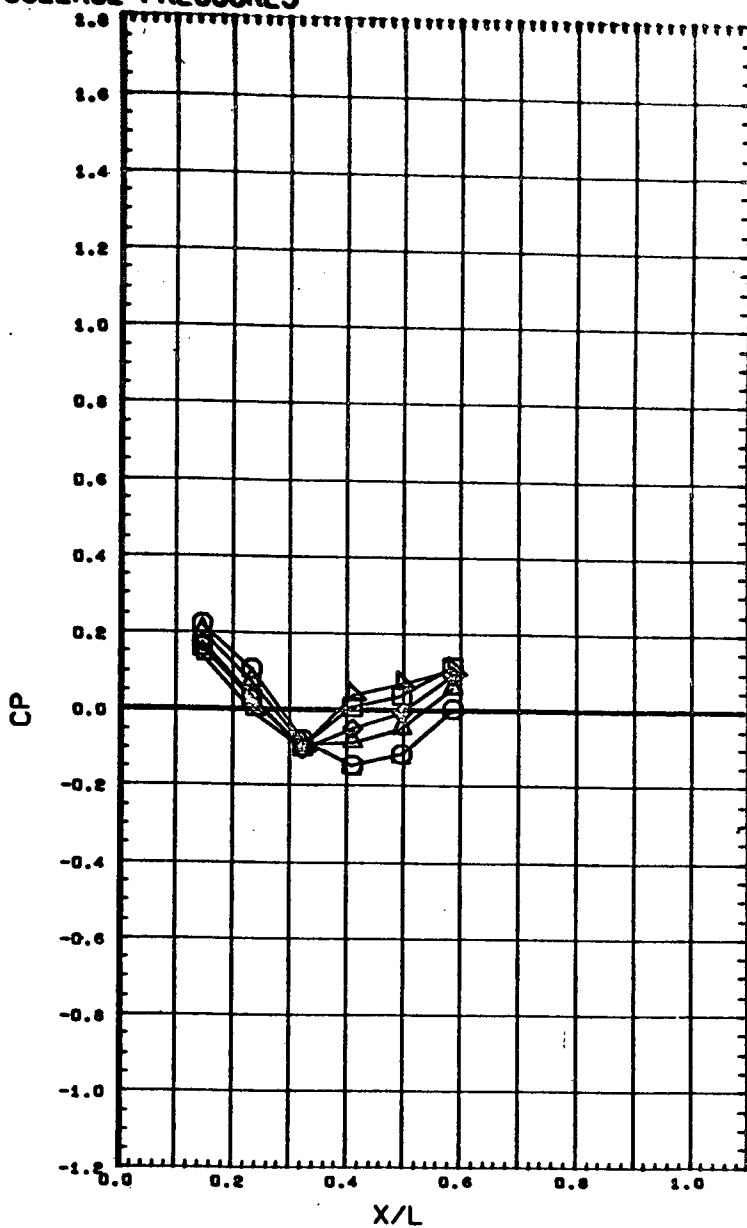
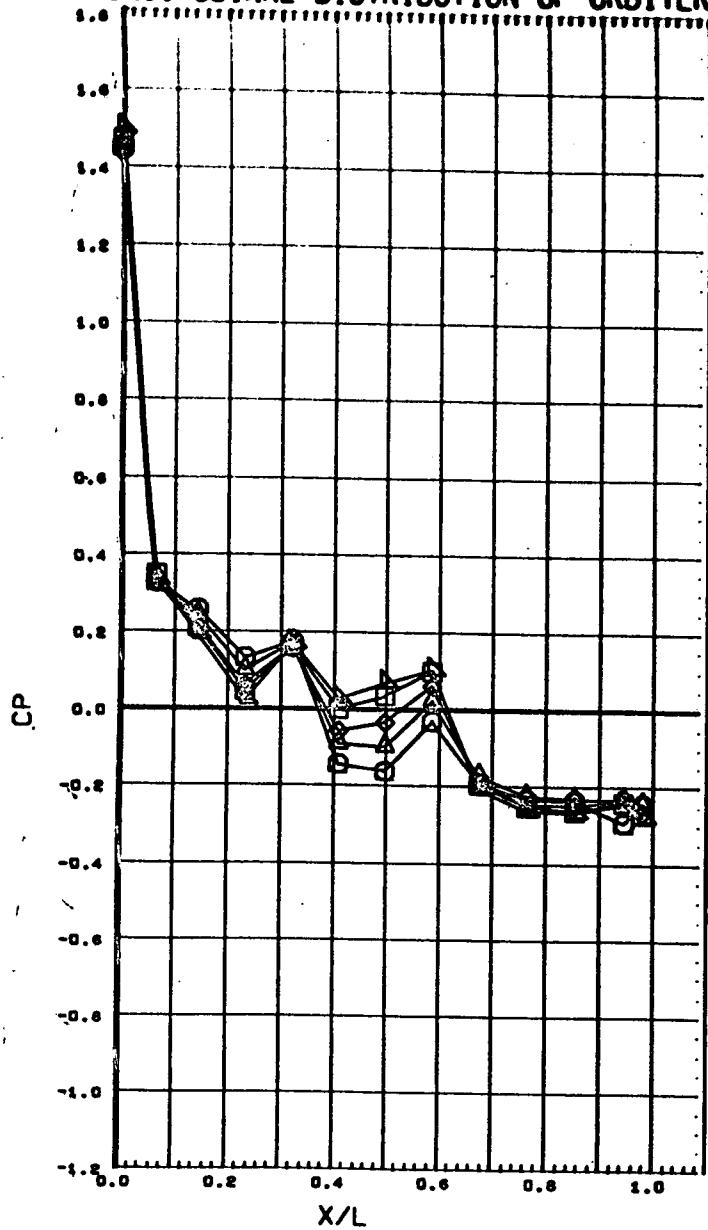


PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

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LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

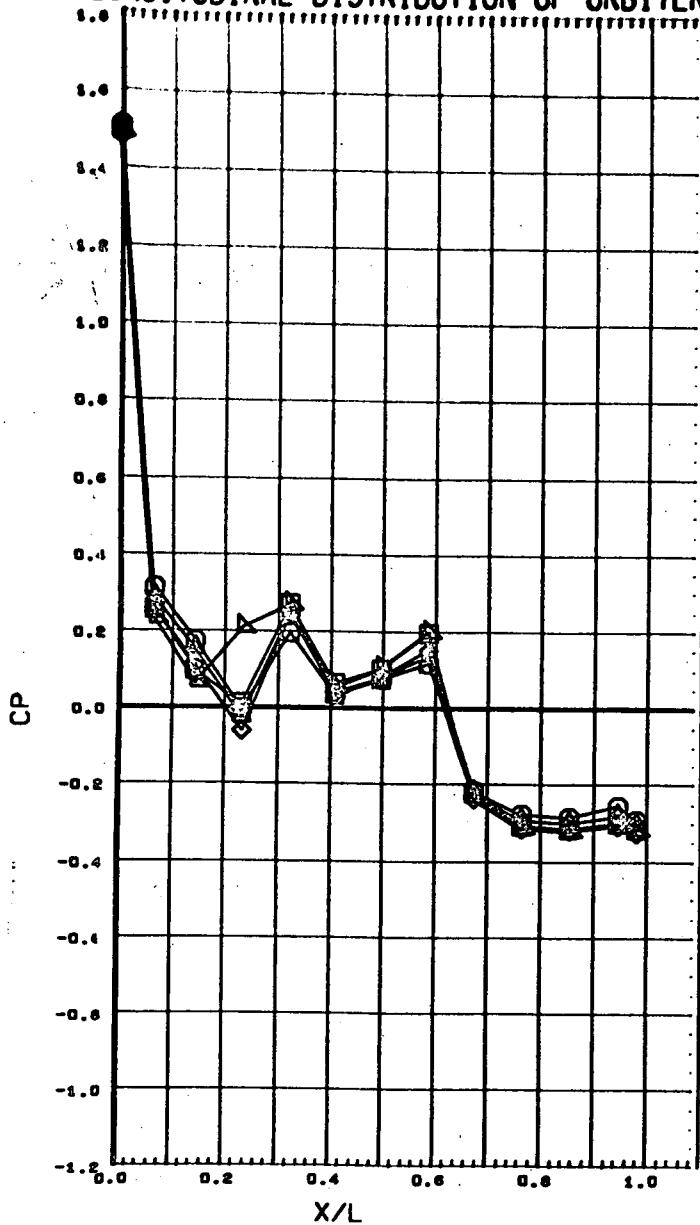


SYMBOL	ALFB	Y/B	M1
○	7.930	0.000	1.300
△	5.834	0.076	
◇	3.852		
□	1.848		
▽	0.145		

REFERENCE FILE

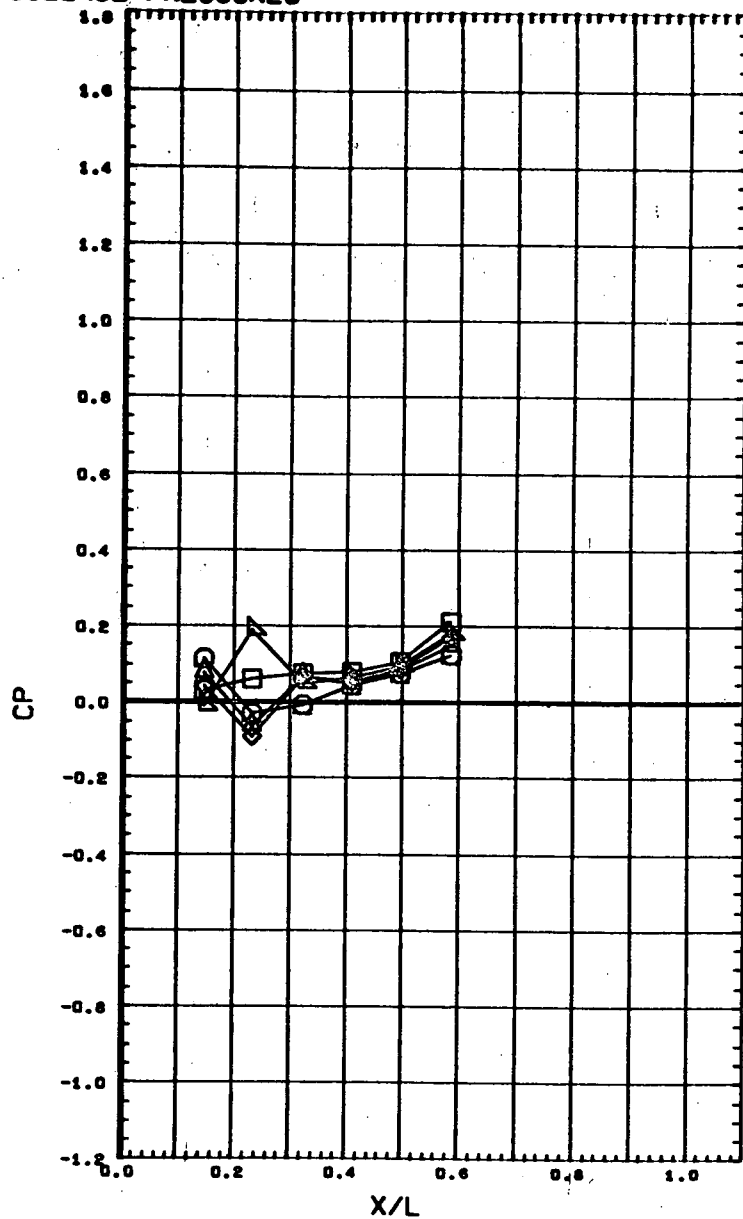
PARAMETRIC VALUES		
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I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



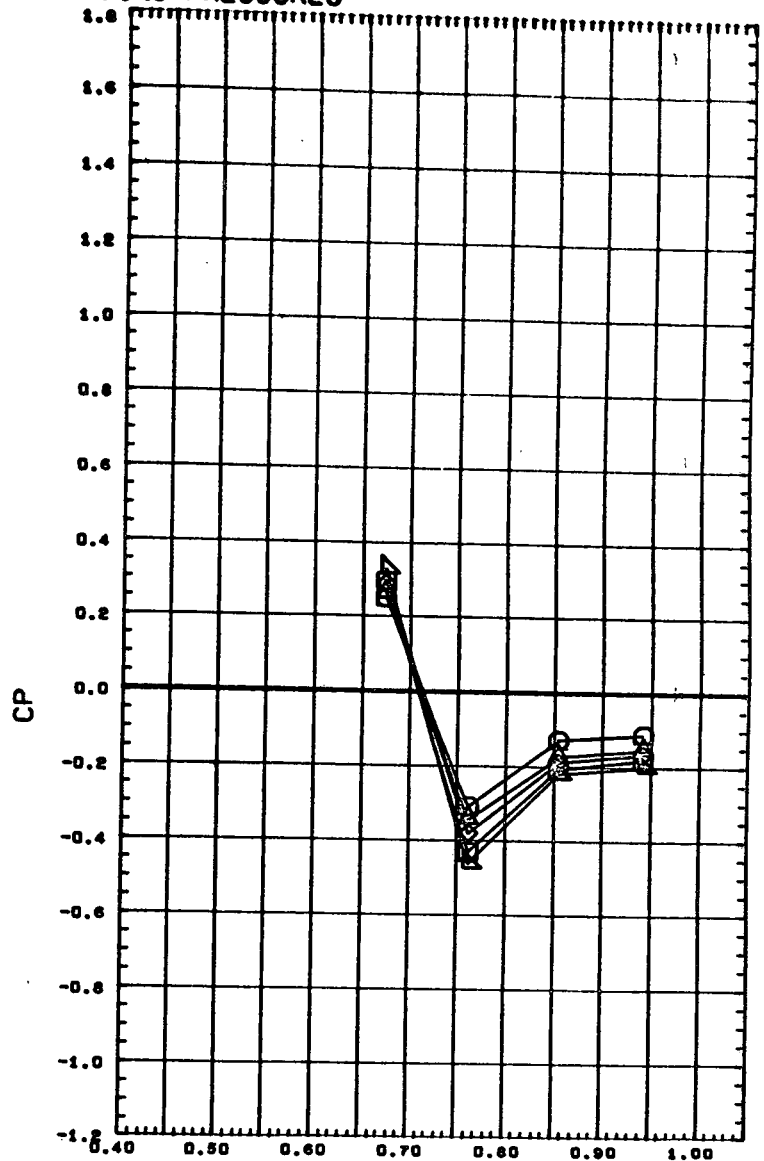
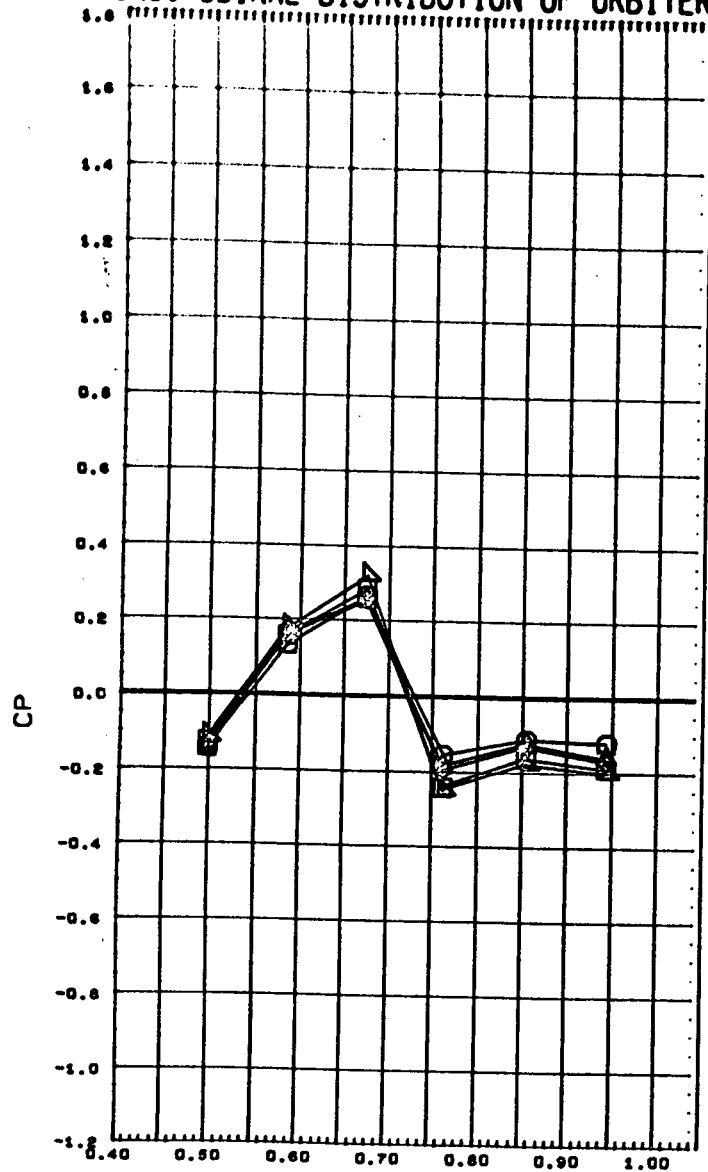
SYMBOL	ALFB	Y/B	M1
○	2.163	0.000	1.300
◇	4.164	0.076	
△	6.136		
□	8.142		
+	10.136		

REFERENCE FILE



PARAMETRIC VALUES		
BETA	0.000	OX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

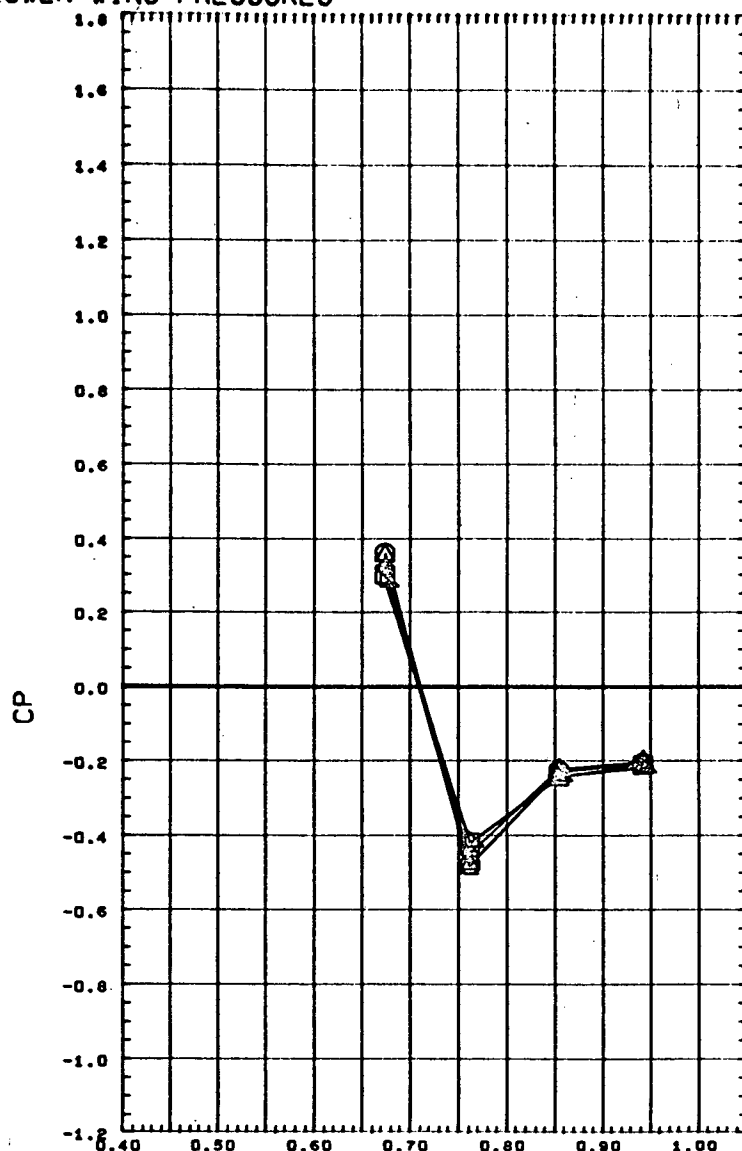
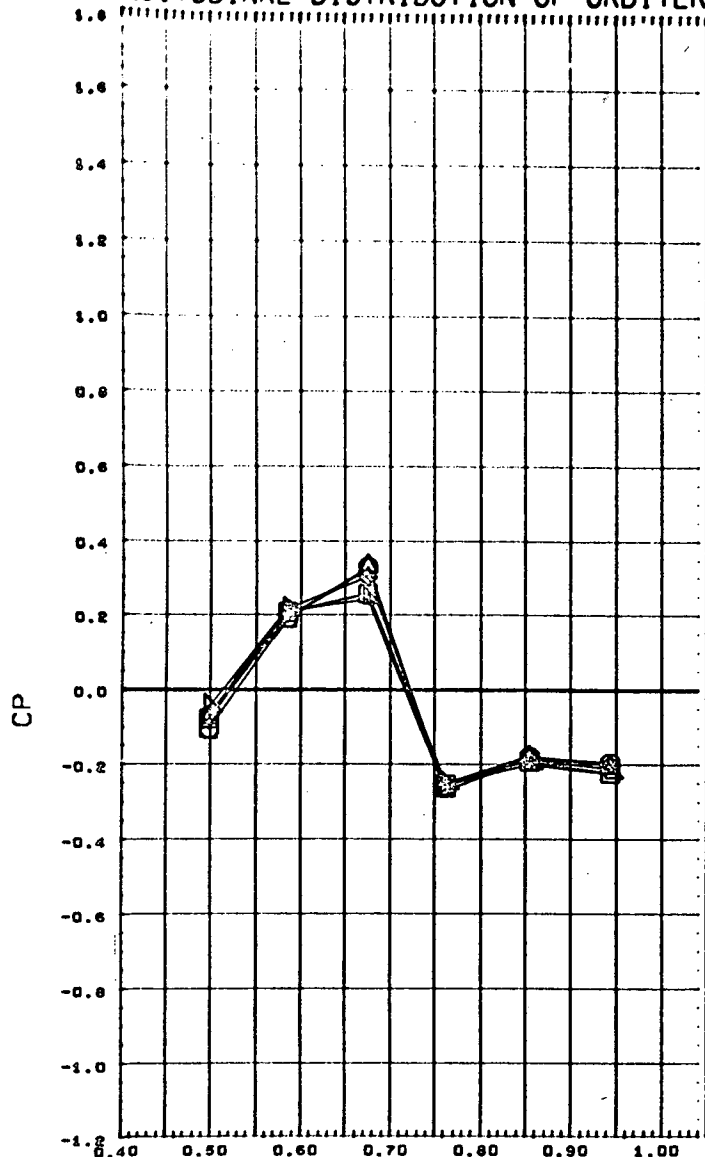


SYMBOL	ALFB	Y/B	X/L	M1
○	- 8.188	0.230	0.598	
△	- 5.690	0.399		
◇	- 3.680			
□	- 1.681			
○	0.100			

REFERENCE FILE

BETA	PARAMETRIC VALUES	OX/L	
0.000		- 0.194	
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

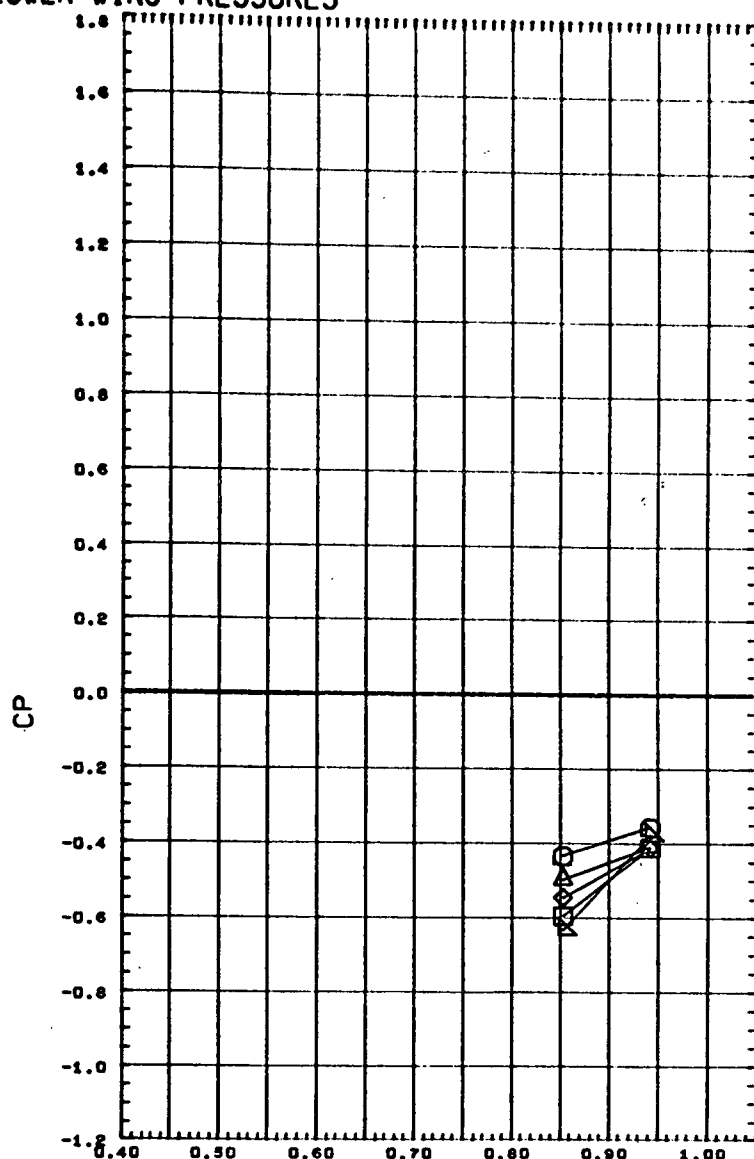
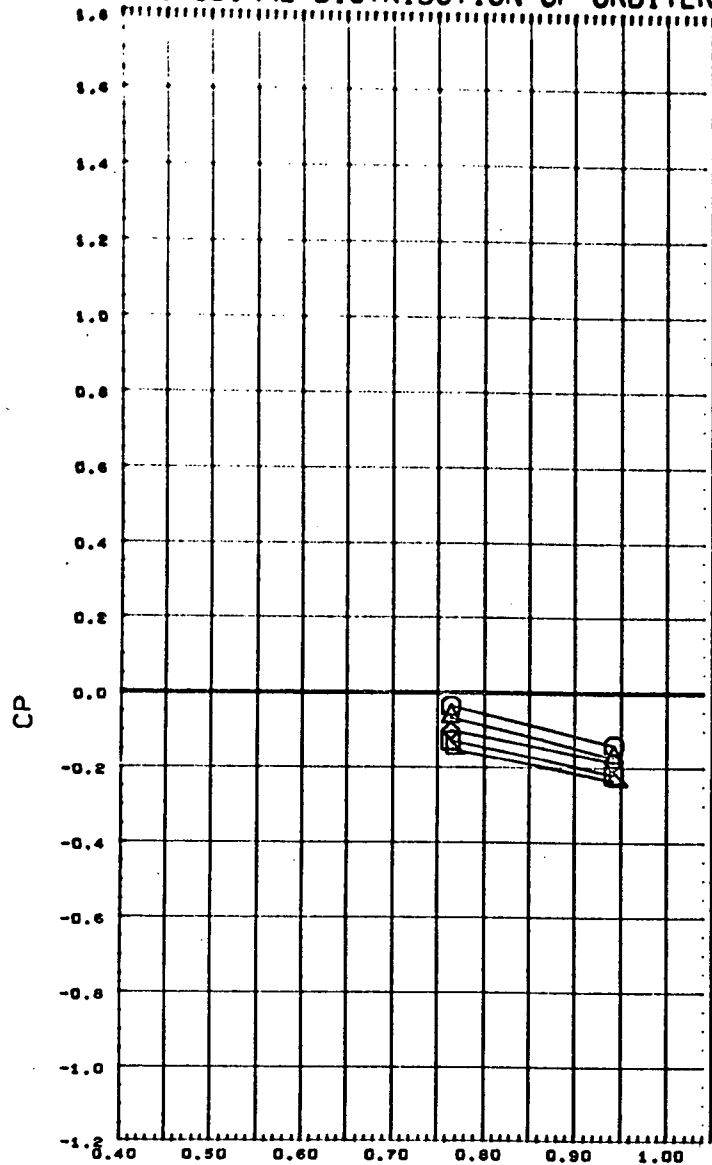


X/L			
SYMBOL	ALFB	Y/B	M1
○	2.097	0.230	0.598
△	4.096	0.399	
◇	6.063		
□	8.094		
▤	10.082		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

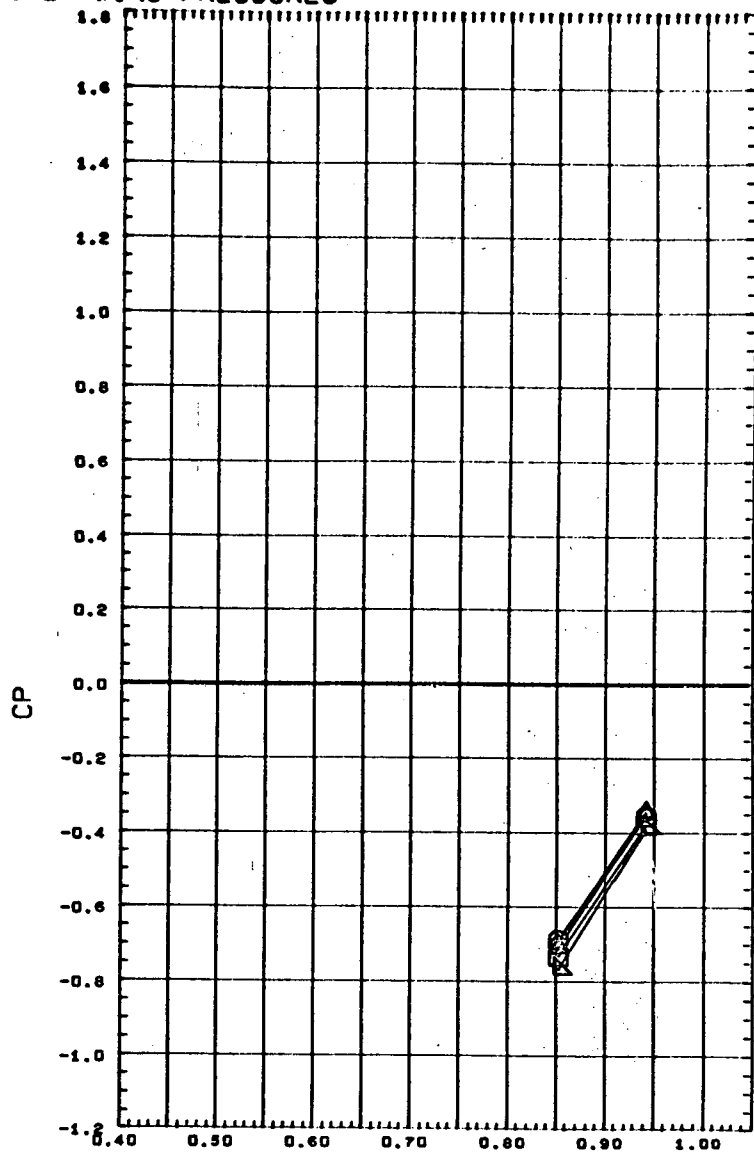
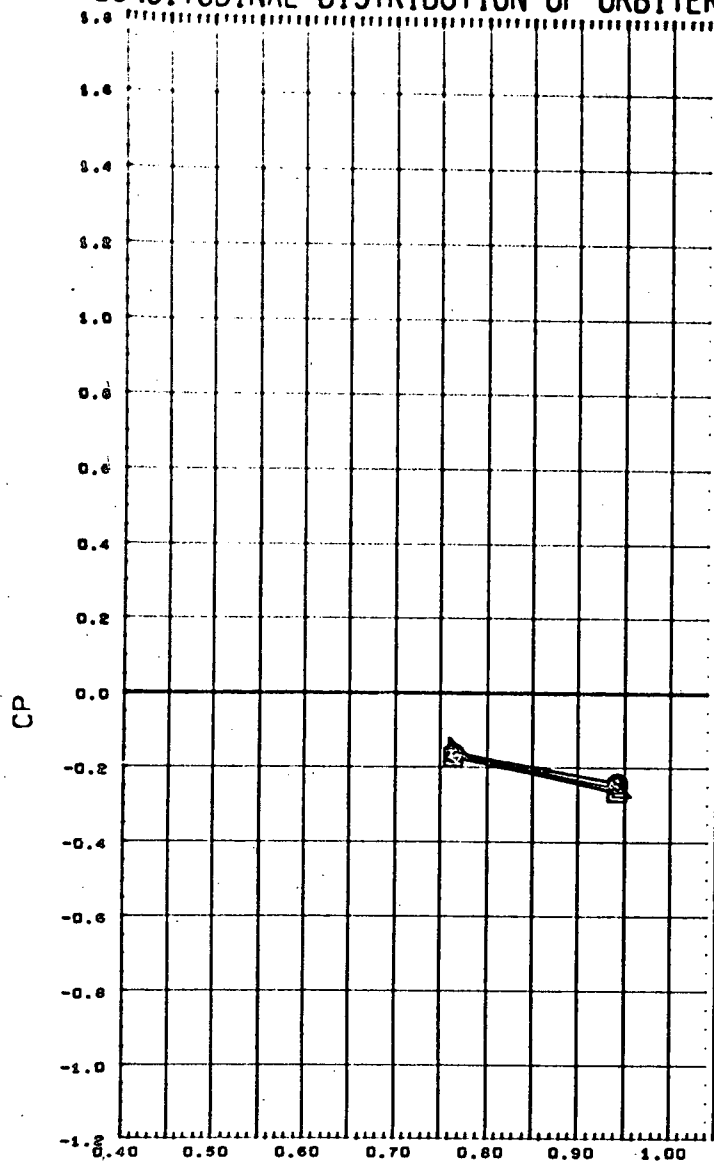
SYMBOL	ALFB	Y/B	M1
○	8.188	0.568	0.598
△	5.890	0.738	
◇	3.880		
□	1.881		
	0.100		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
BETA	0.000	OX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

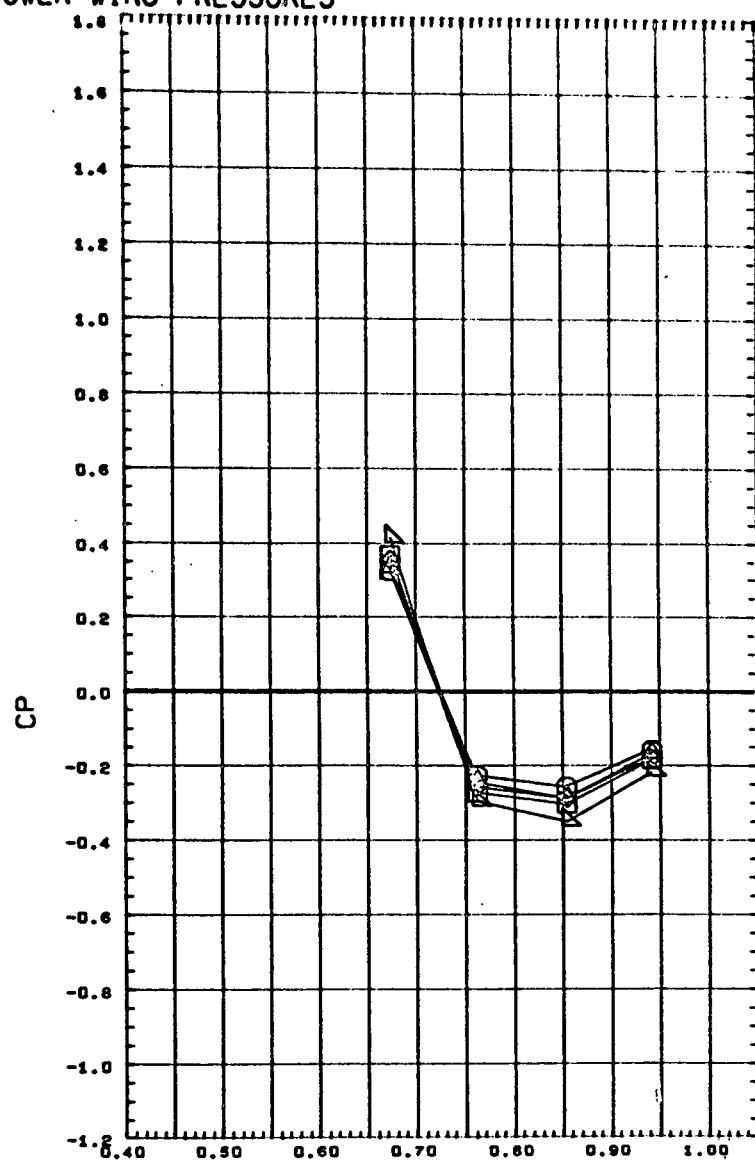
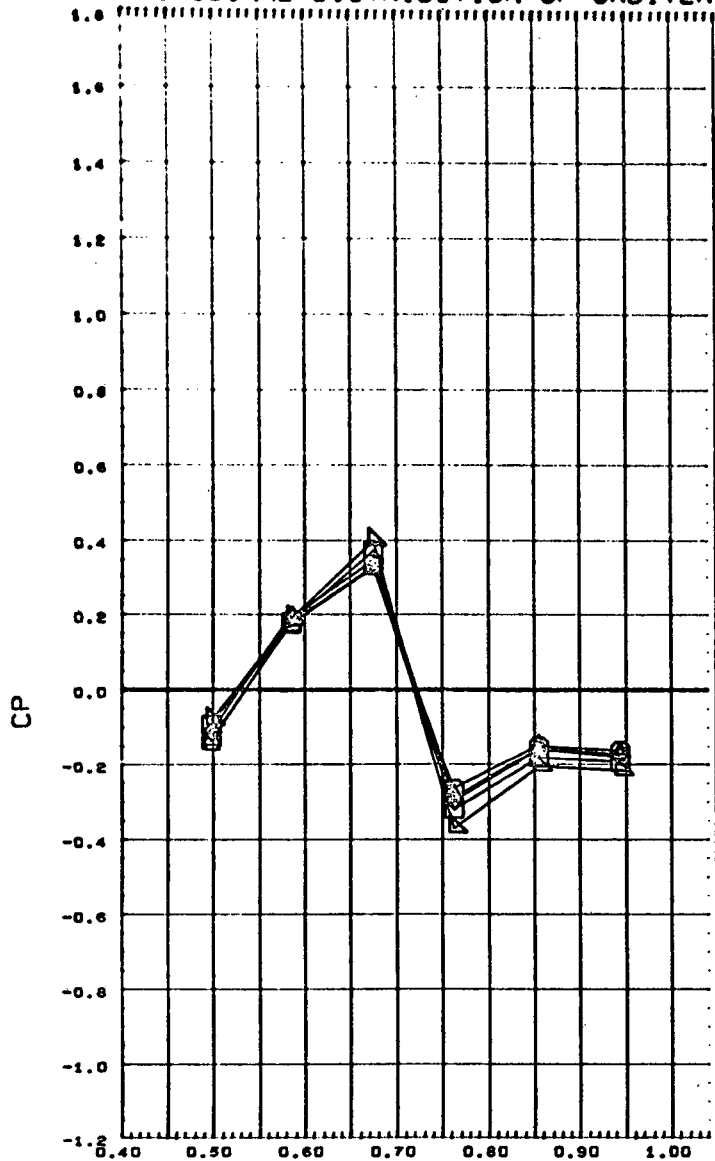


SYMBOL	X/L		
	ALFB	Y/B	M1
	2.097	0.568	0.598
	4.096	0.738	
	6.063		
	8.094		
	10.082		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

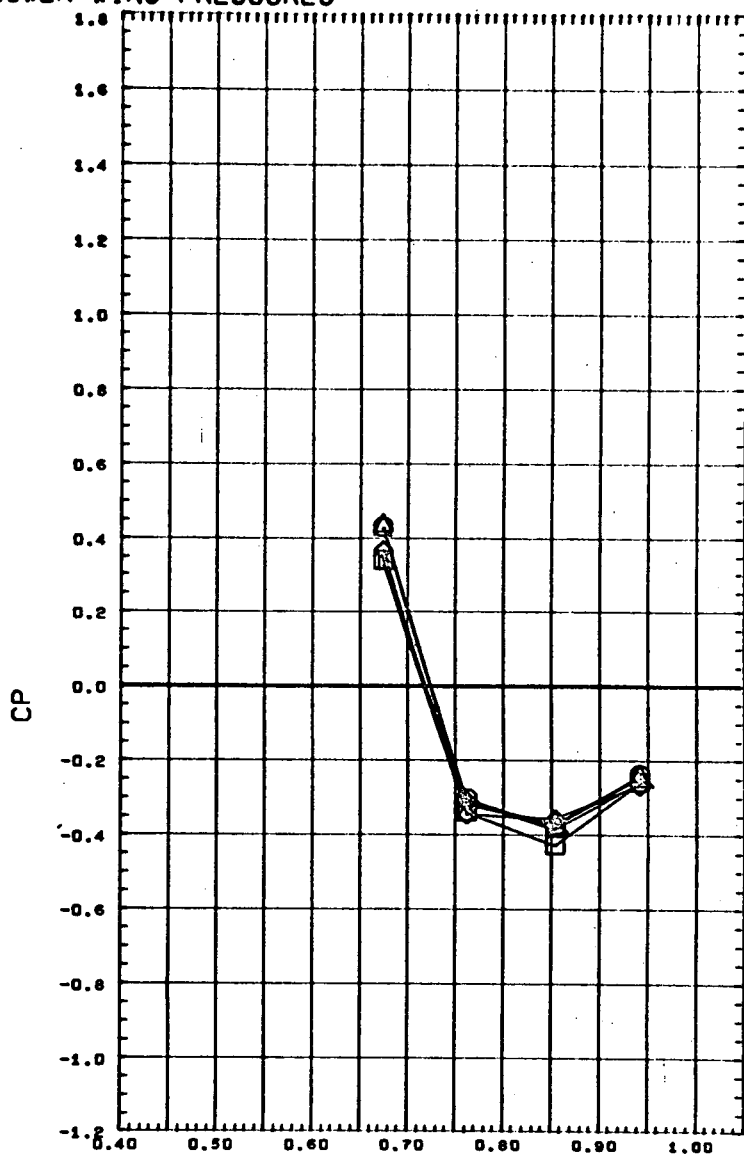
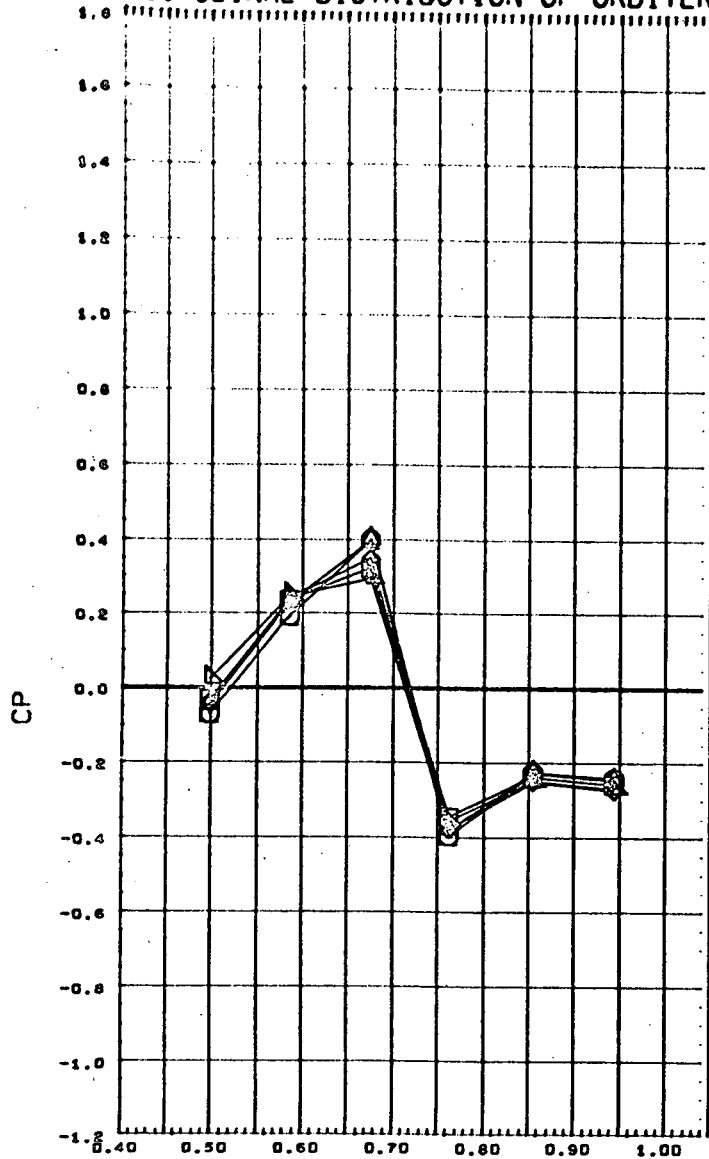


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.940	0.230	0.900
△	- 5.847	0.399	
◇	- 3.836		
□	- 1.843		
▽	0.144		

REFERENCE FILE

PARAMETRIC VALUES		
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I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

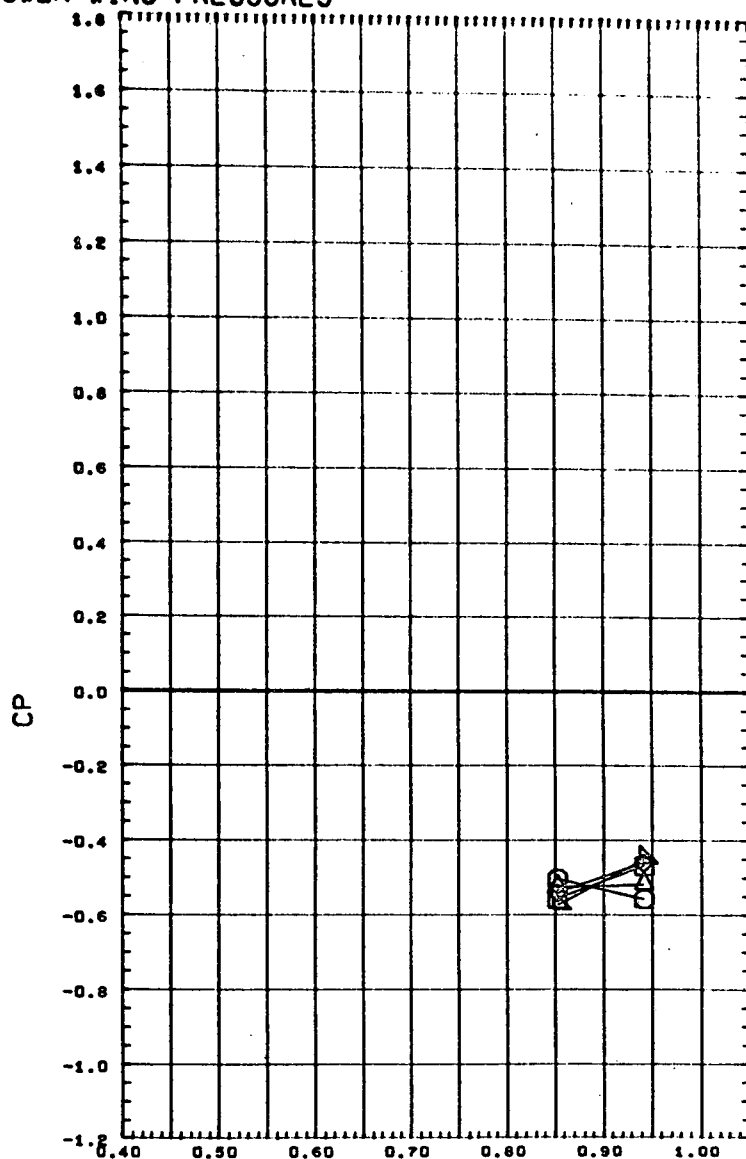
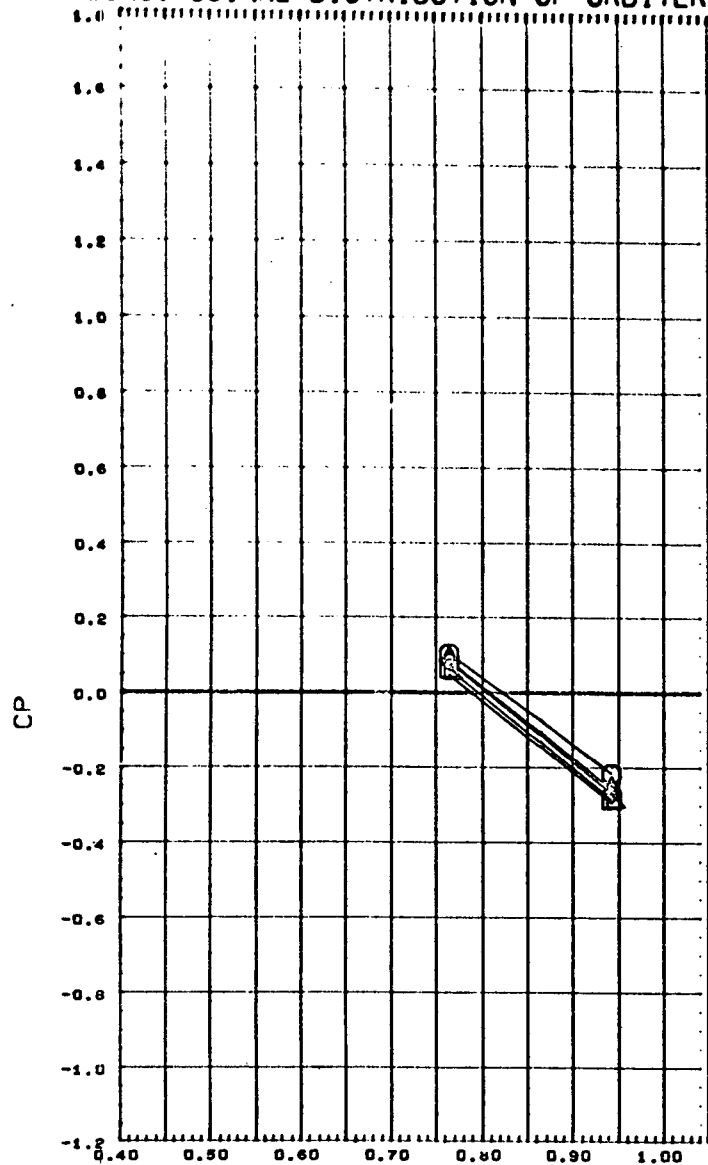


SYMBOL	ALFB	Y/B	M1
○	2.153	0.230	0.900
△	4.141	0.399	
◇	6.125		
◻	8.130		
◻	10.089		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

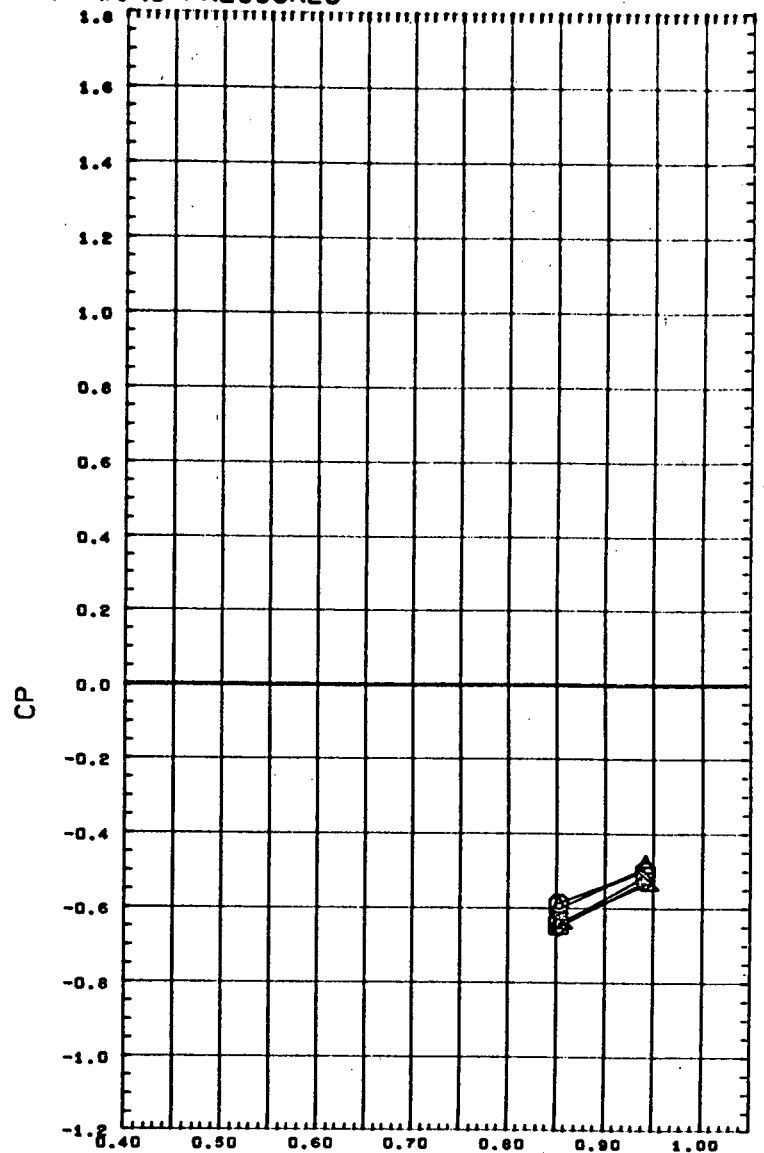
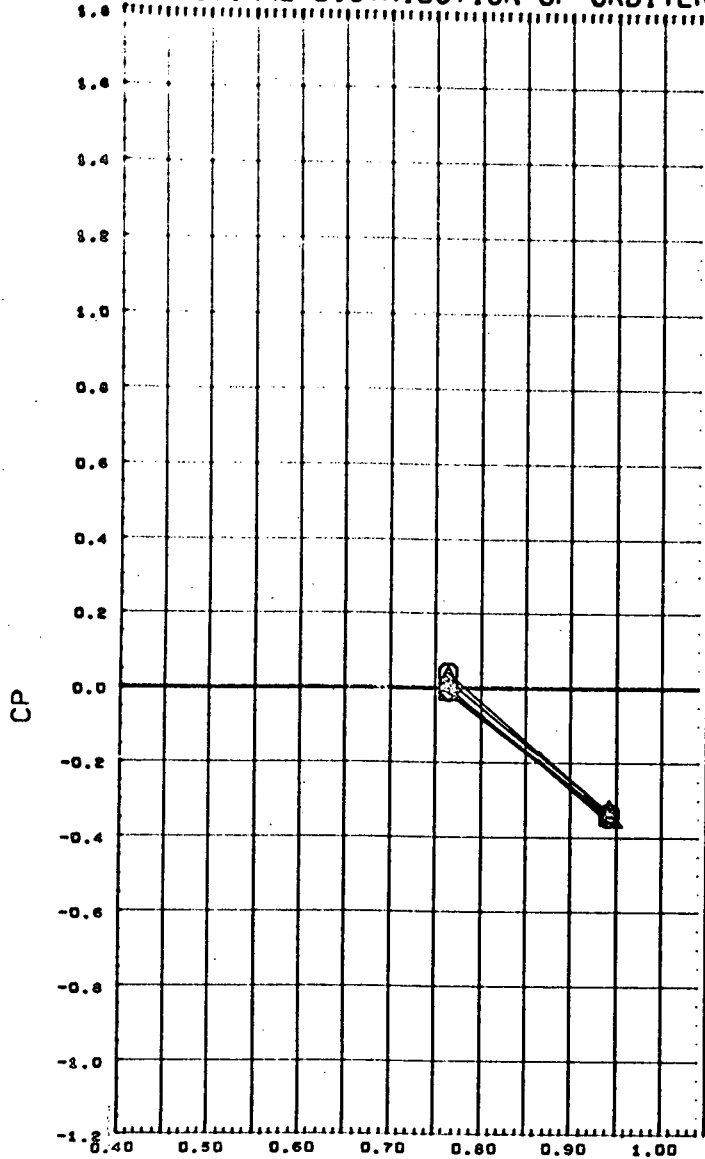
SYMBOL	ALFB	Y/B	M1
○	7.940	0.568	0.900
△	5.647	0.738	
◇	3.036		
◊	1.843		
◻	0.144		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

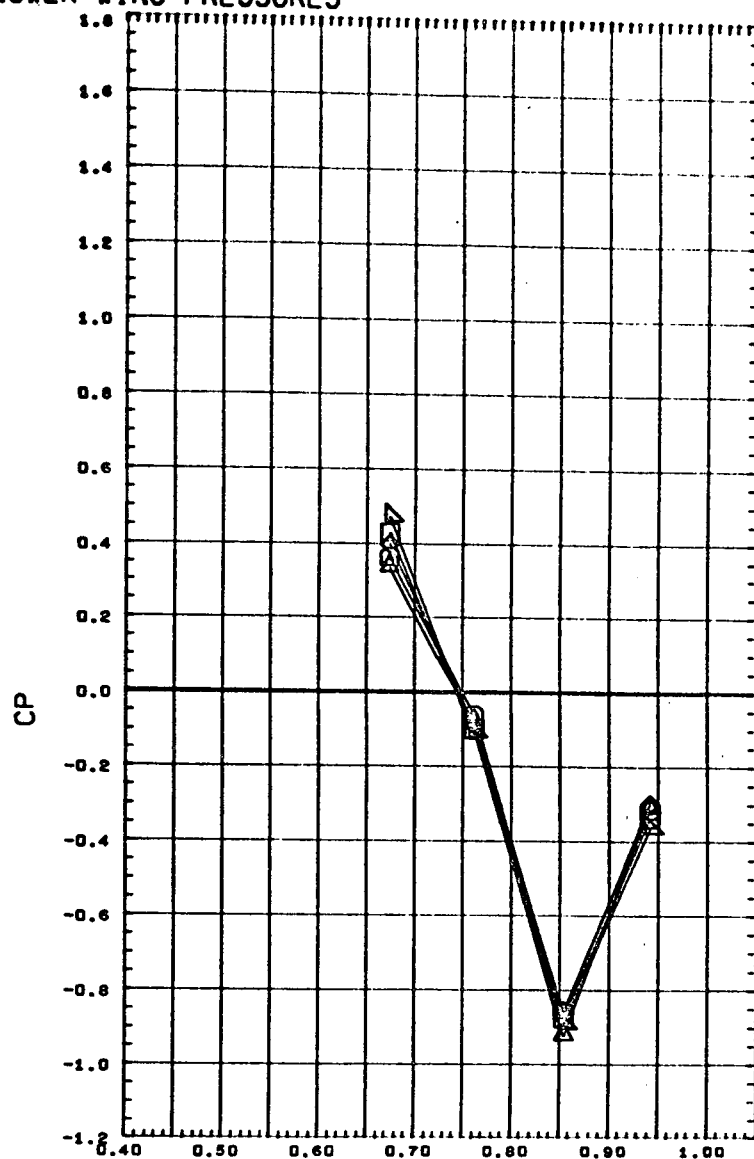
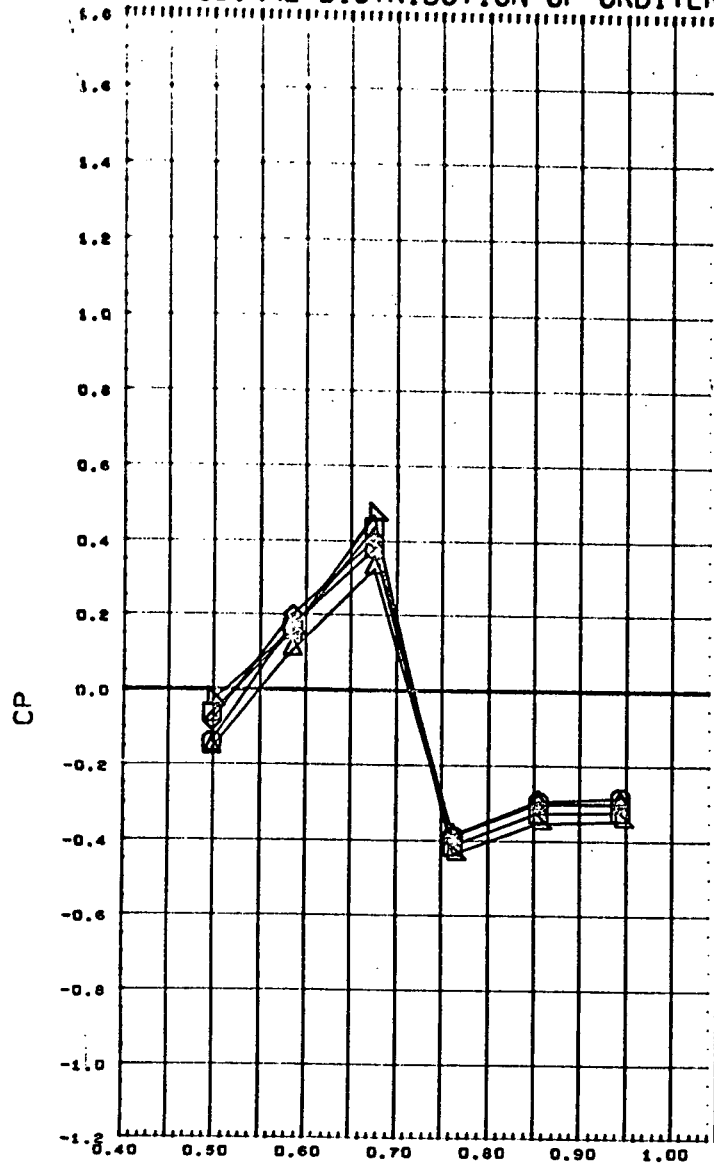


SYMBOL	ALFB	Y/B	M1
□	2.153	0.568	0.900
◇	4.141	0.738	
△	6.125		
○	8.130		
×	10.089		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

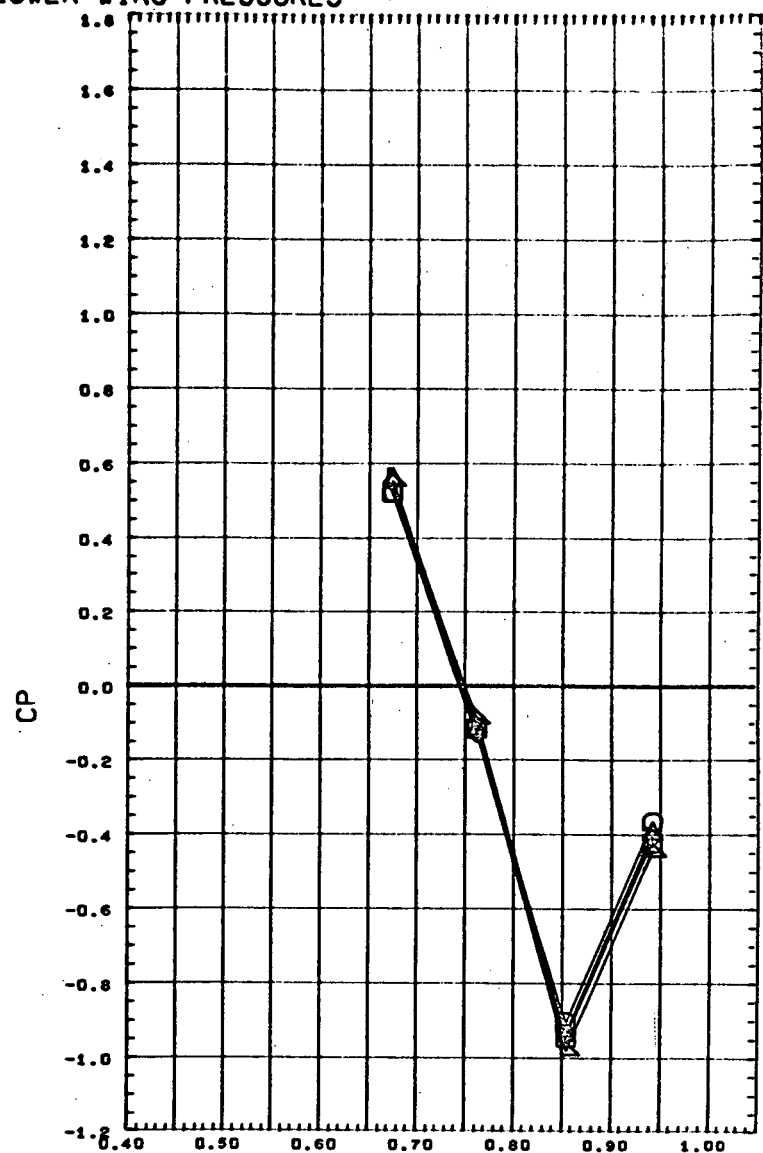
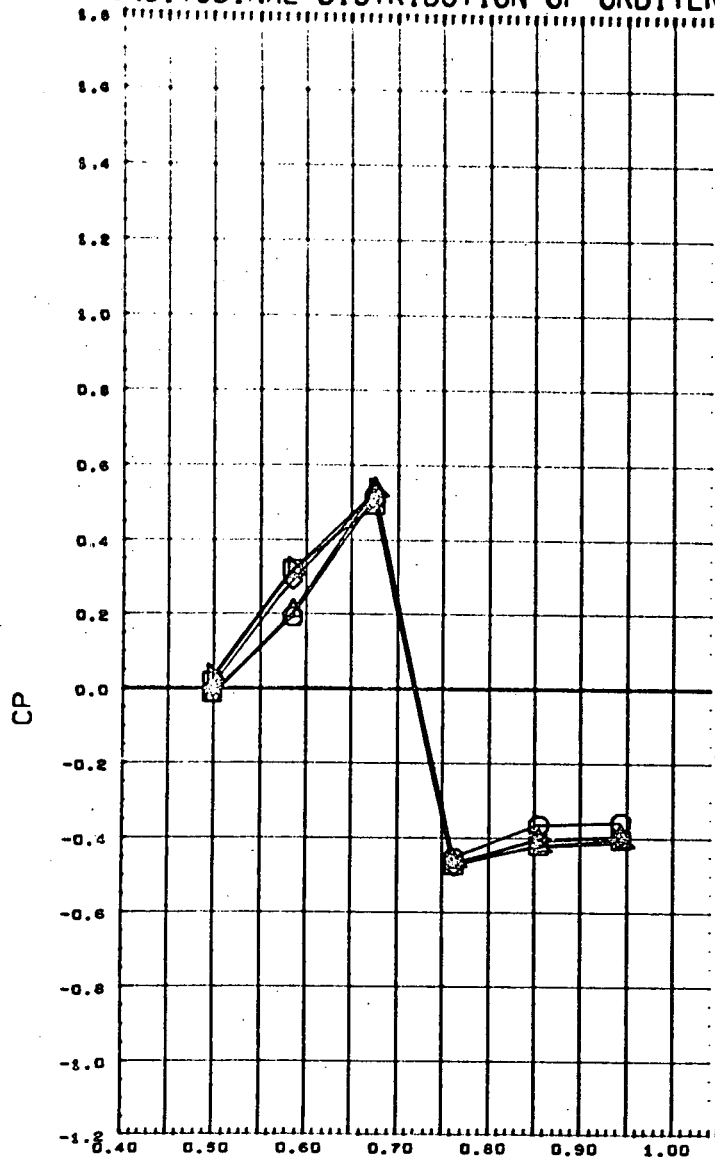


SYMBOL	ALFB	Y/B	M1
○	7.910	0.230	1.000
△	5.806	0.399	
◇	3.814		
□	1.822		
▽	0.152		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

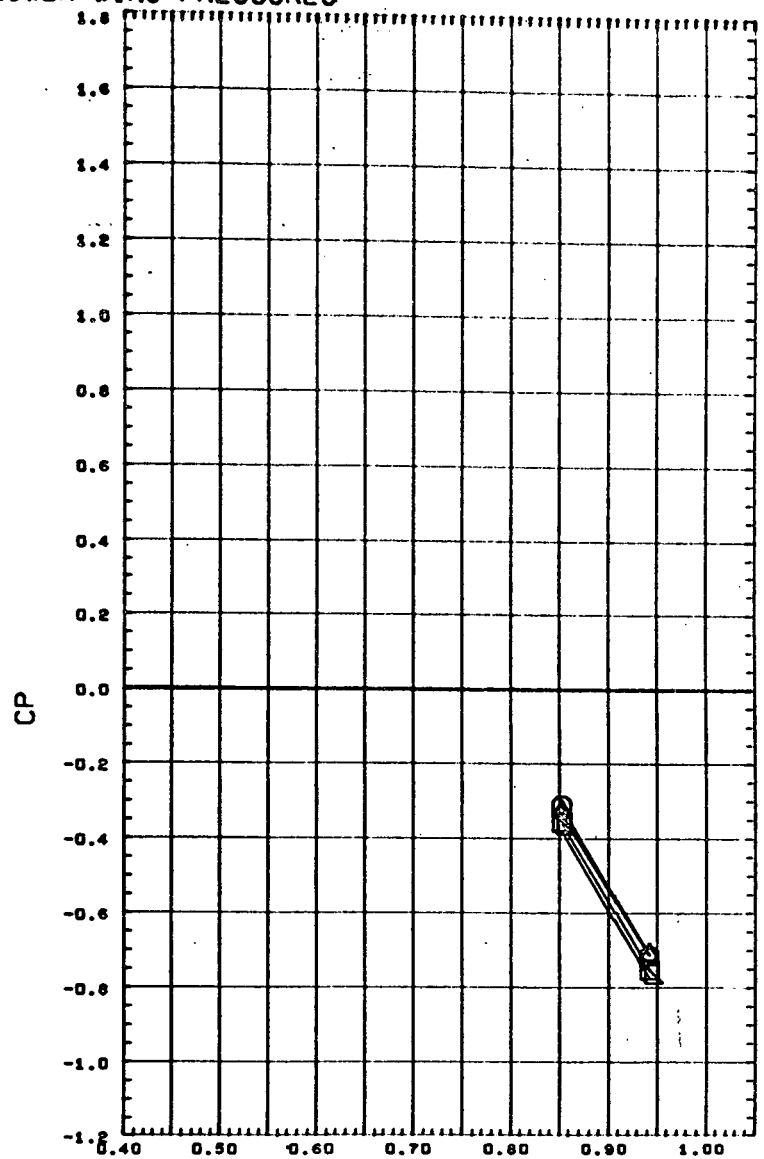
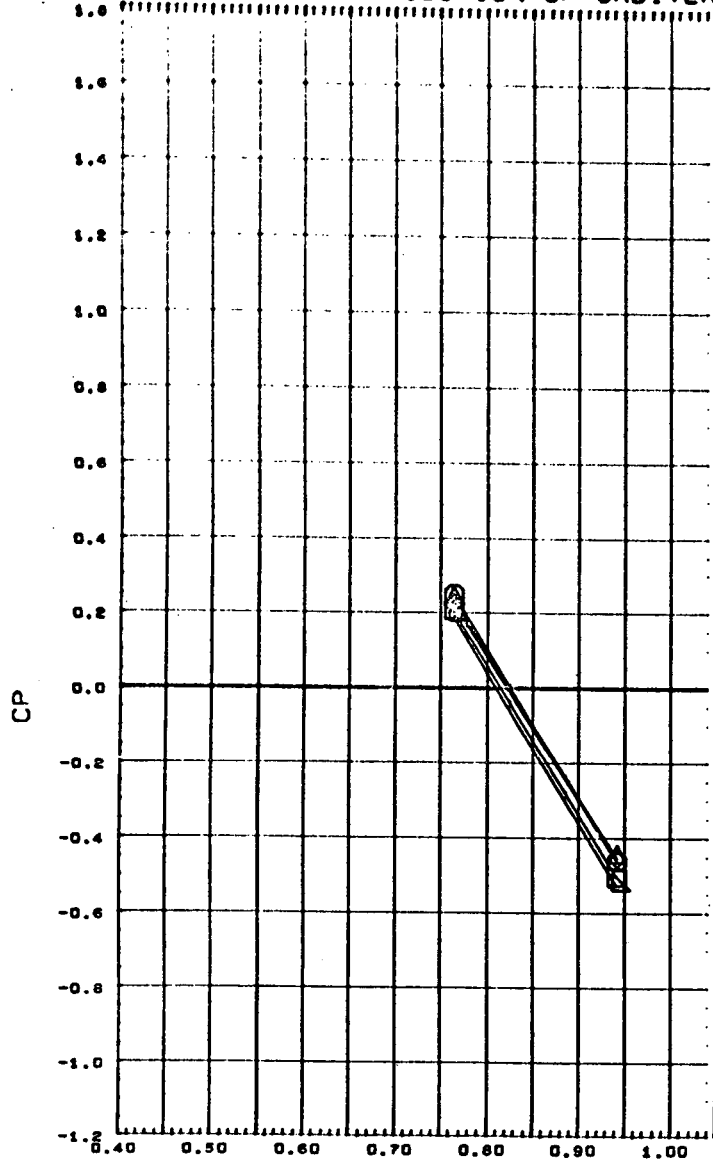


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.149	0.230	1.000
△	4.157	0.399	
◇	6.143		
□	8.134		
◻	10.121		

REFERENCE FILE

X/L			PARAMETRIC VALUES	
BETA	0.000	DX/L	-	0.194
I	0.000			

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

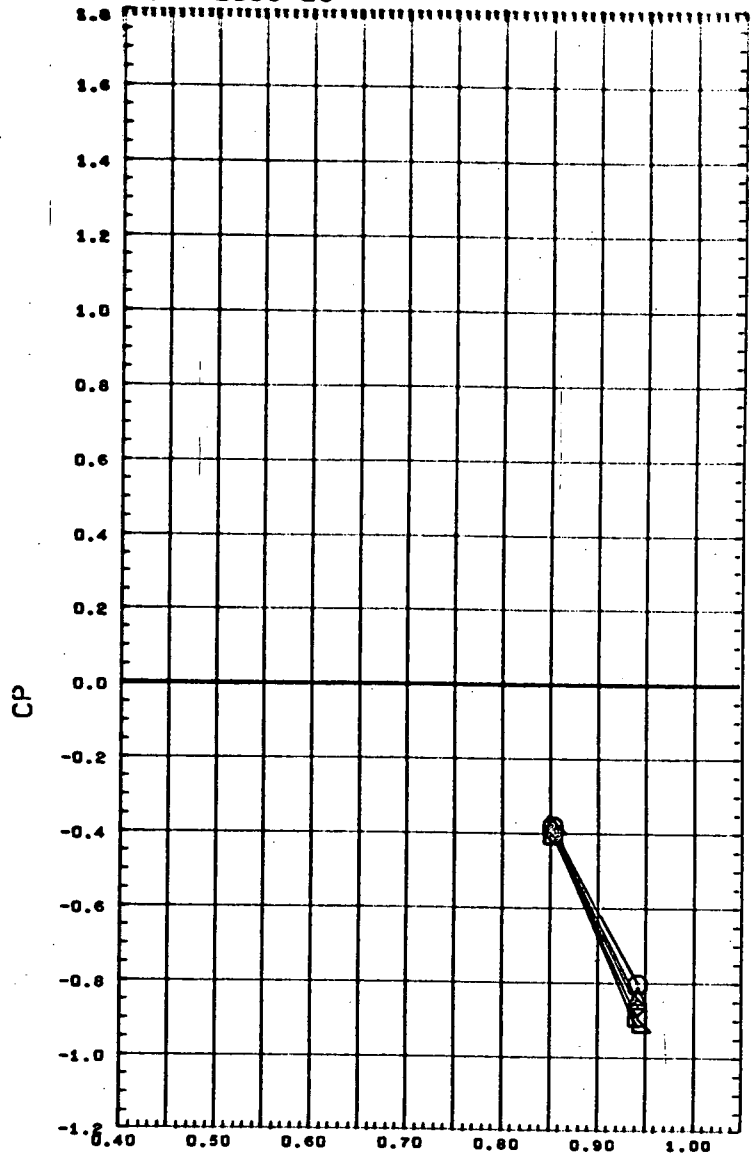
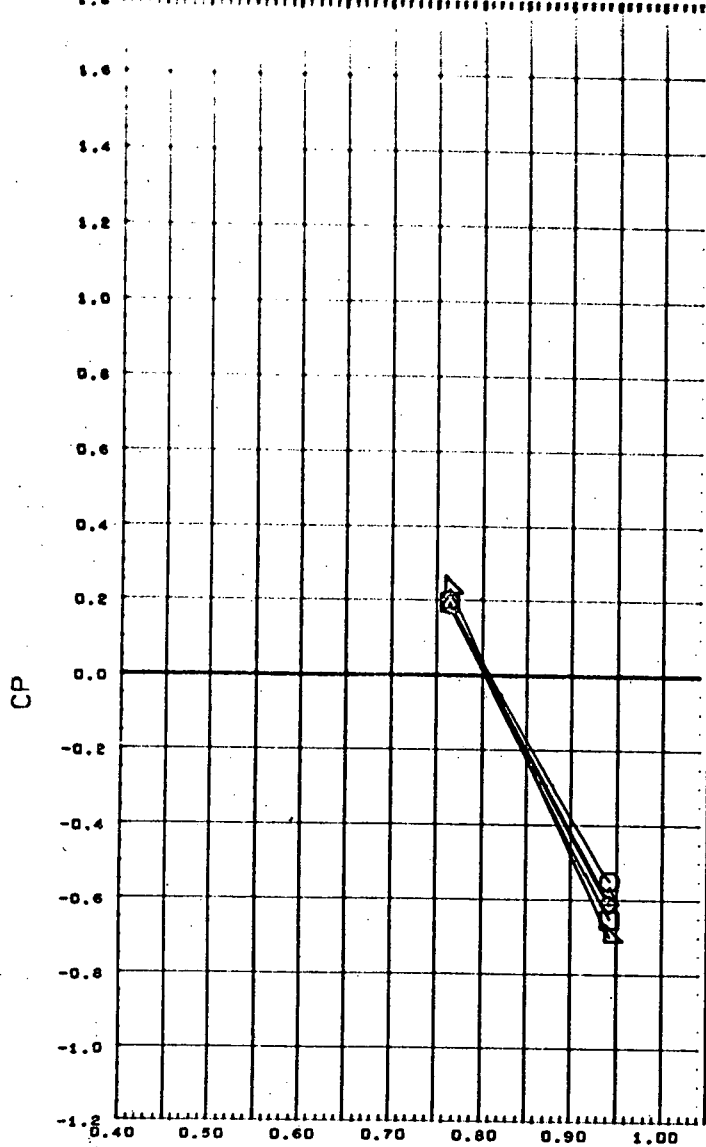


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.910	0.568	1.000
△	- 5.806	0.738	
◇	- 3.814		
□	- 1.822		
■	0.152		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

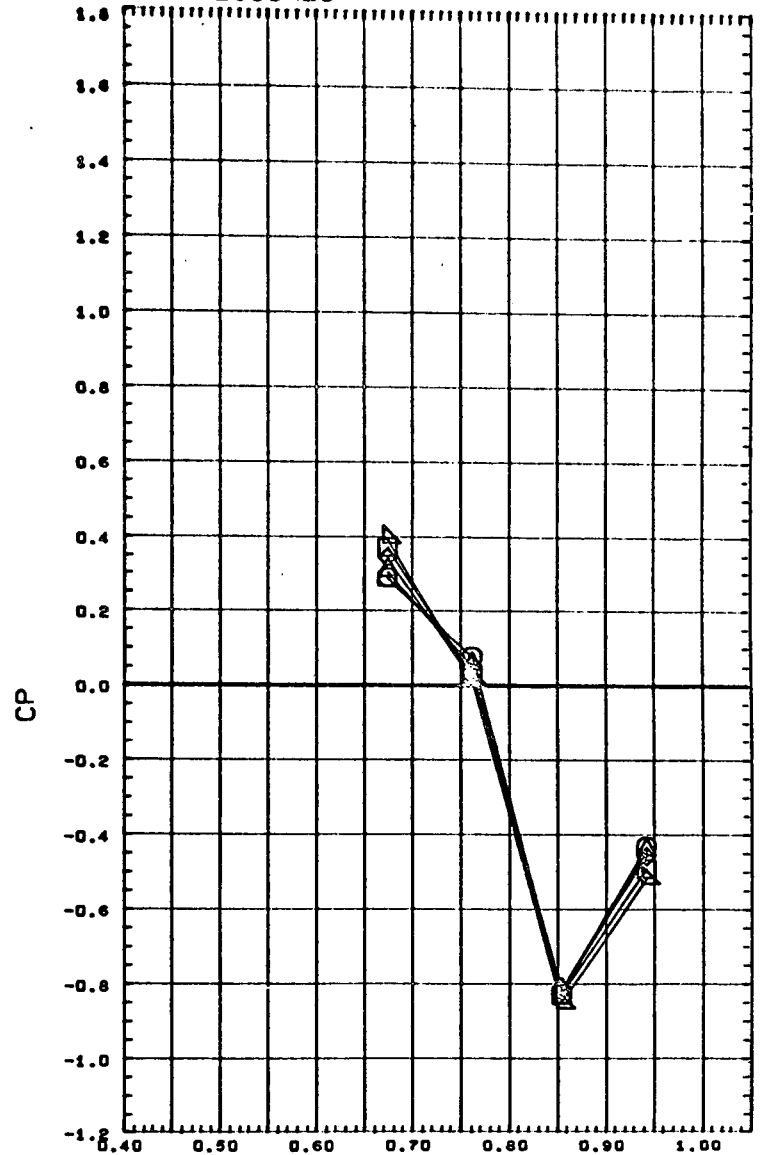
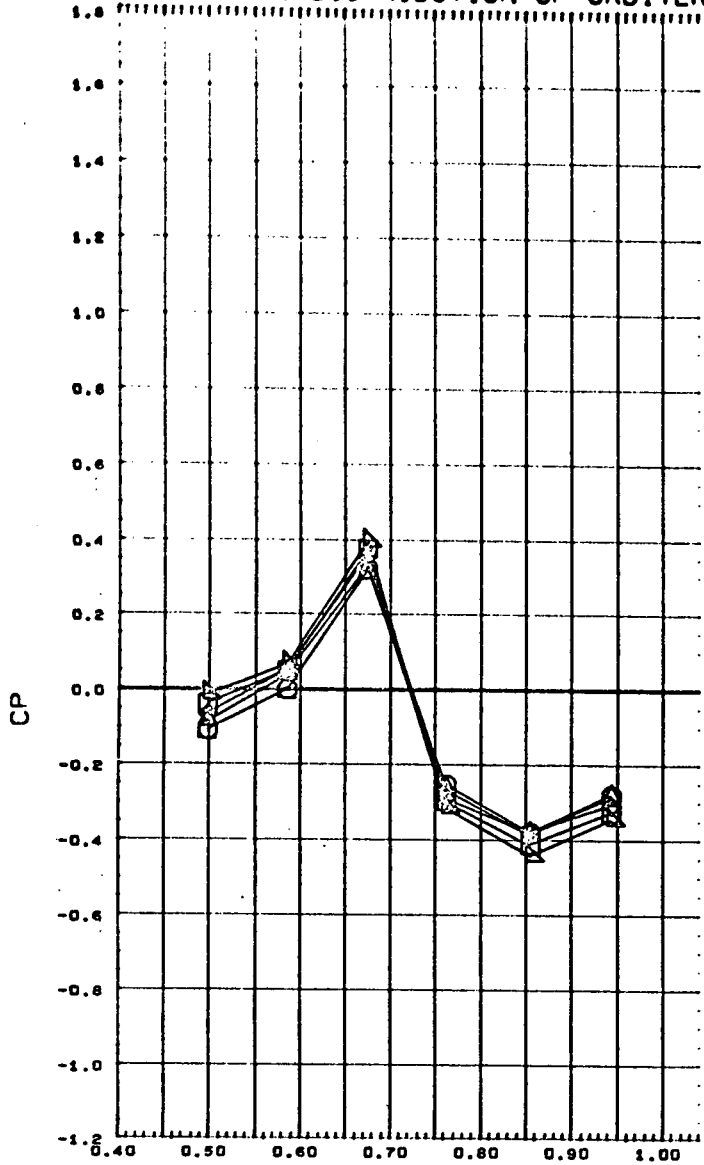


SYMBOL	ALFB	Y/B	M1
◇	2.149	0.568	1.000
□	4.157	0.738	
△	6.143		
○	8.134		
×	10.121		

REFERENCE FILE

	PARAMETRIC VALUES		
BETA	0.000	OX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

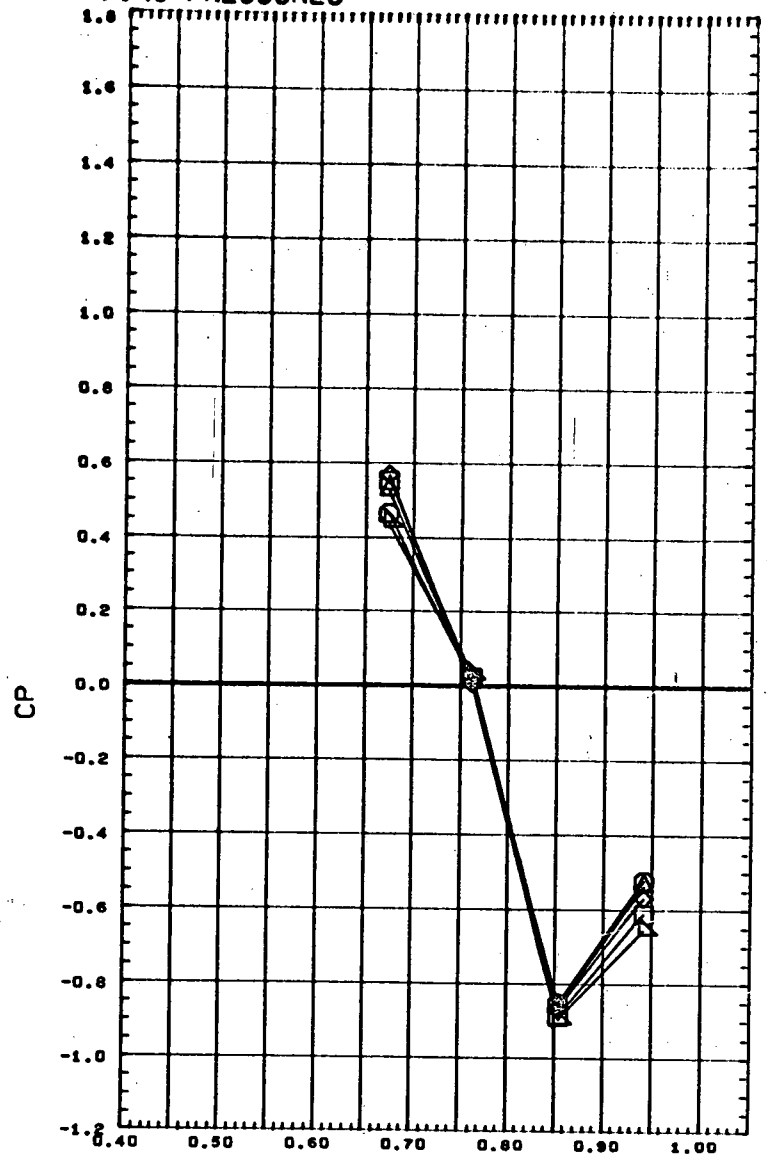
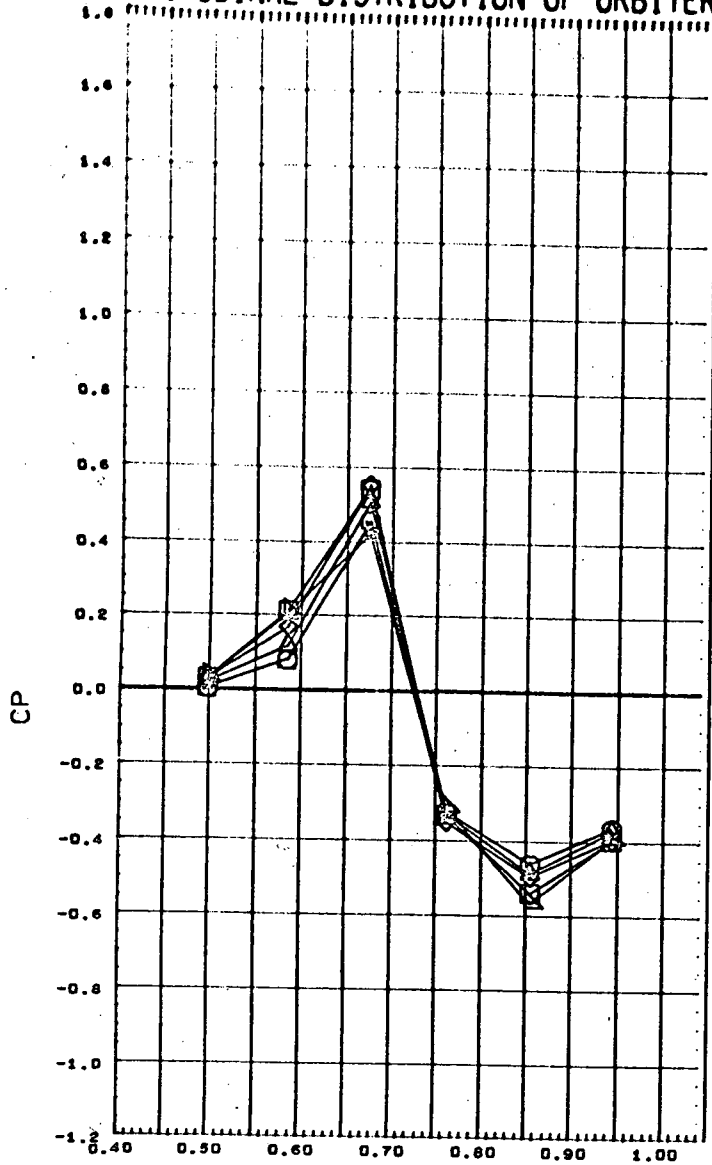


SYMBOL	ALFB	Y/B	M1
○	- 7.928	0.230	1.104
△	- 5.803	0.399	
◇	- 3.824		
□	- 1.828		
◇	0.154		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



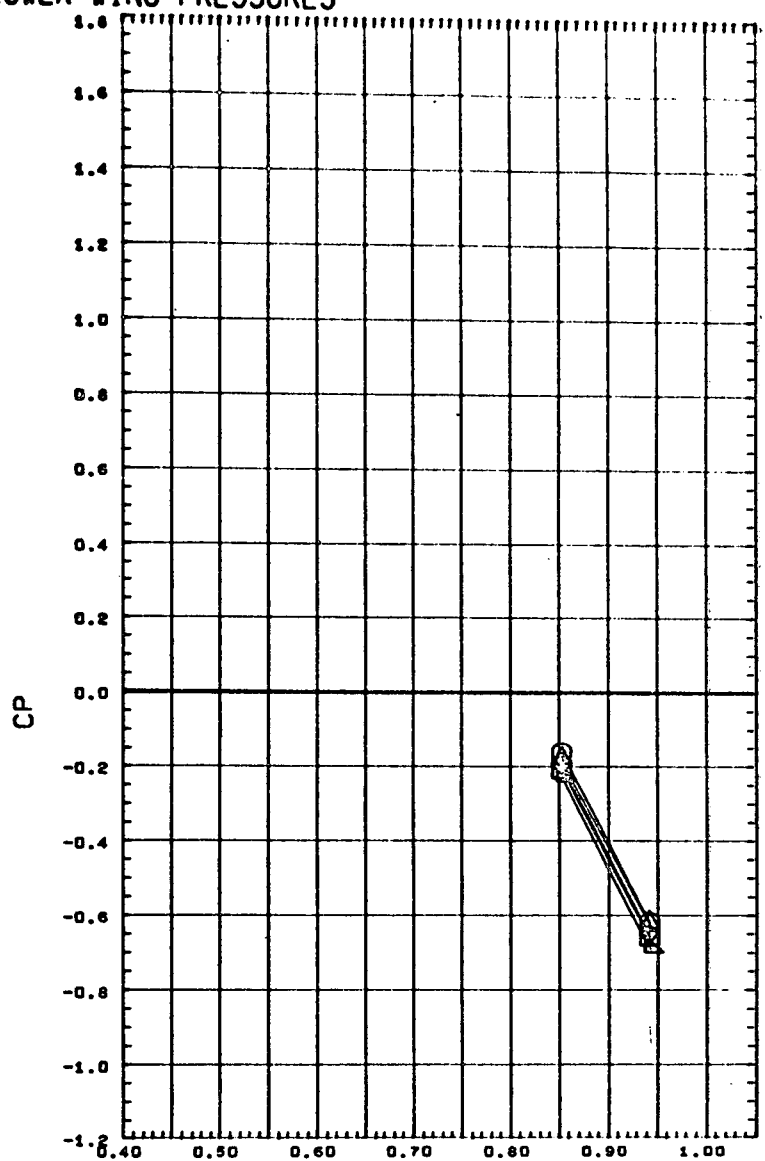
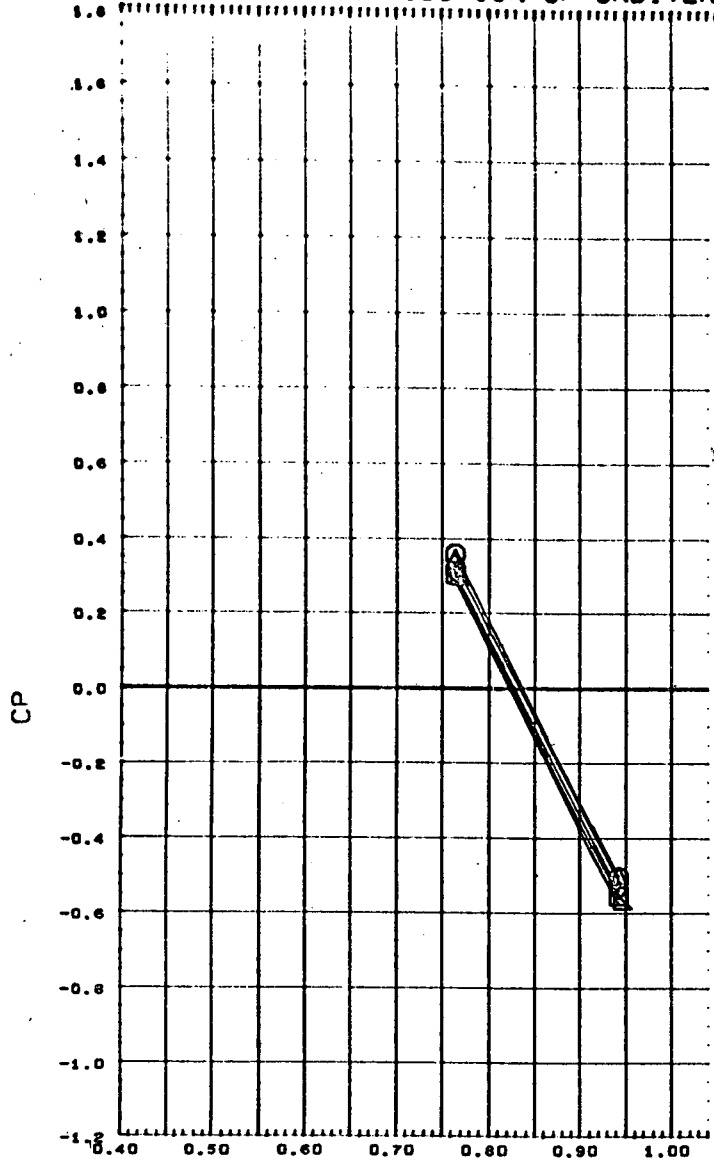
SYMBOL	ALFB	Y/B	M1
○	2.171	0.230	1.104
△	4.158	0.399	
◇	6.148		
◊	8.136		
◻	10.122		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(LOWER WING) (HTC011)

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

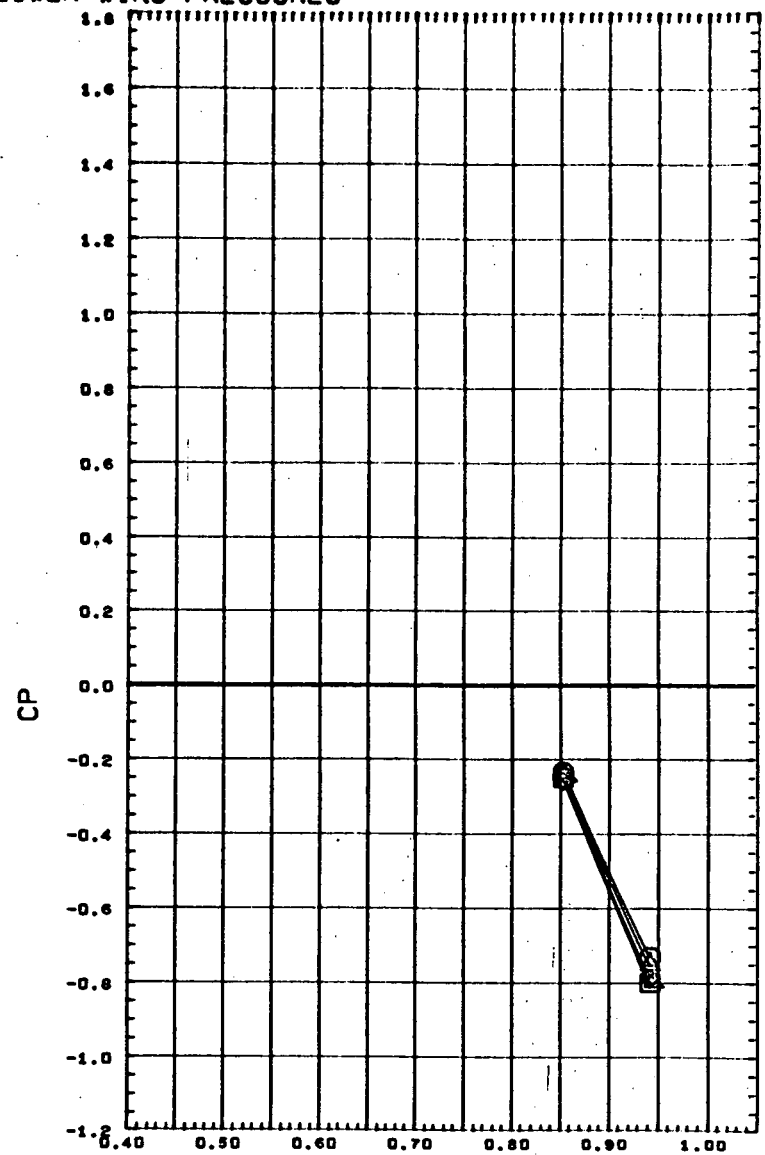
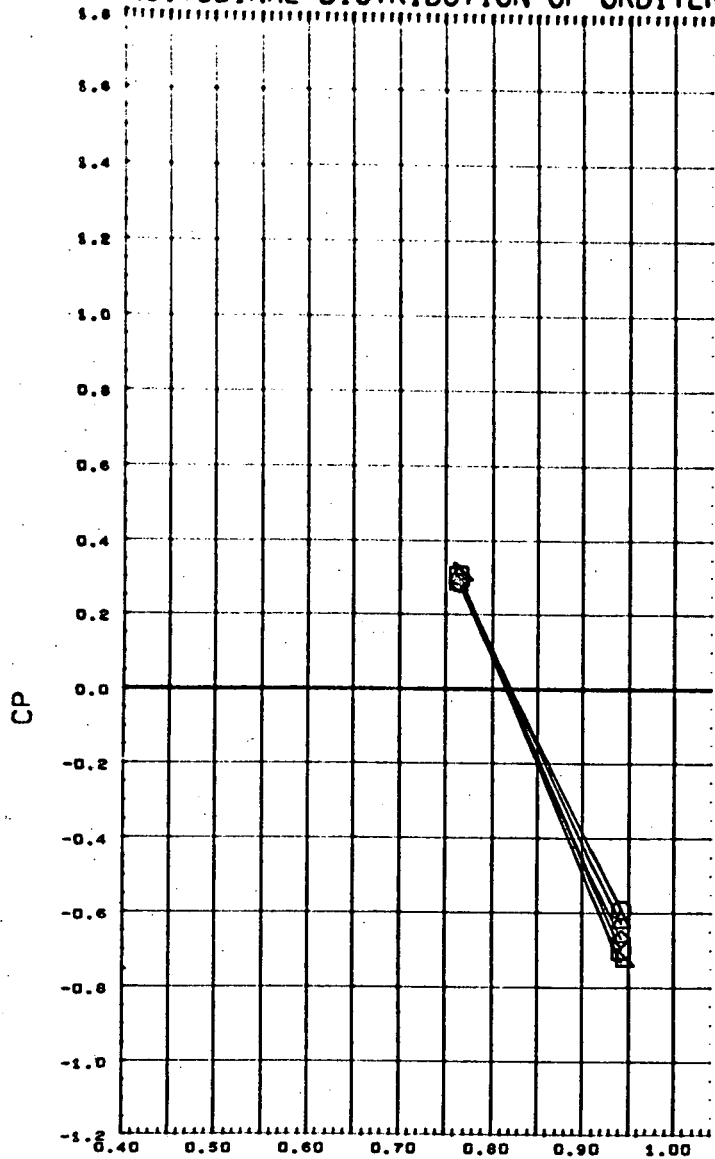


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.928	0.568	1.104
△	- 5.803	0.738	
◇	- 5.824		
□	- 1.828		
▽	0.154		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

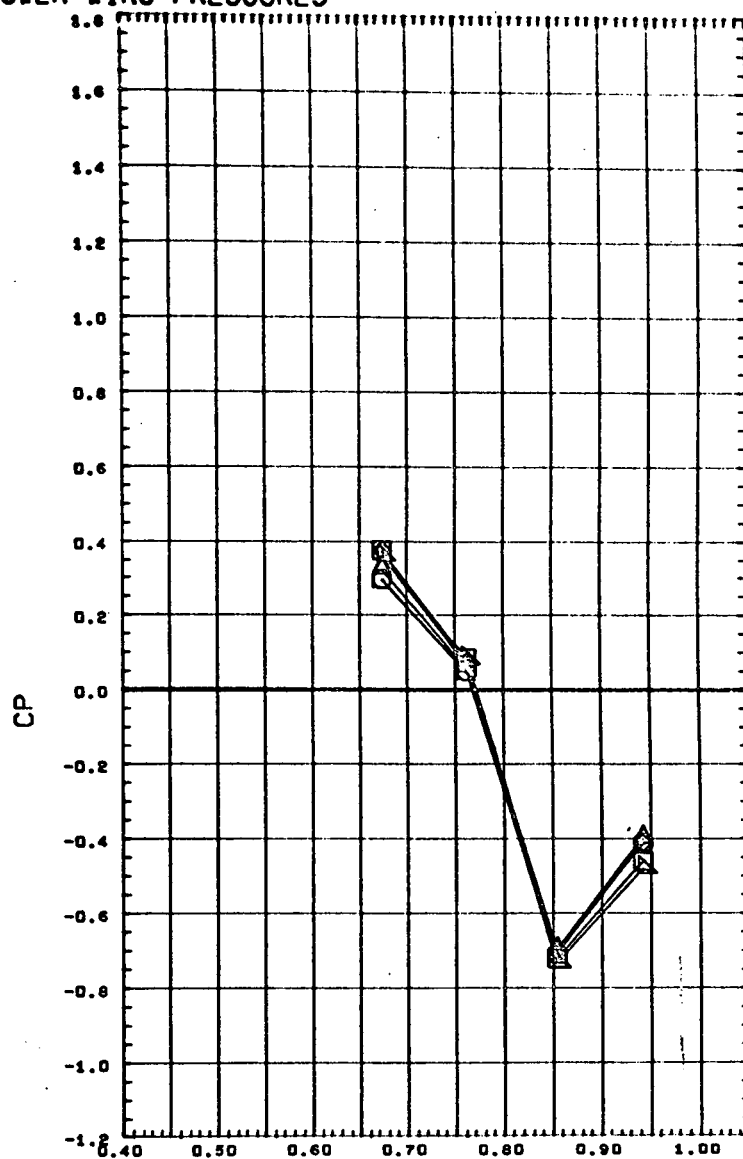
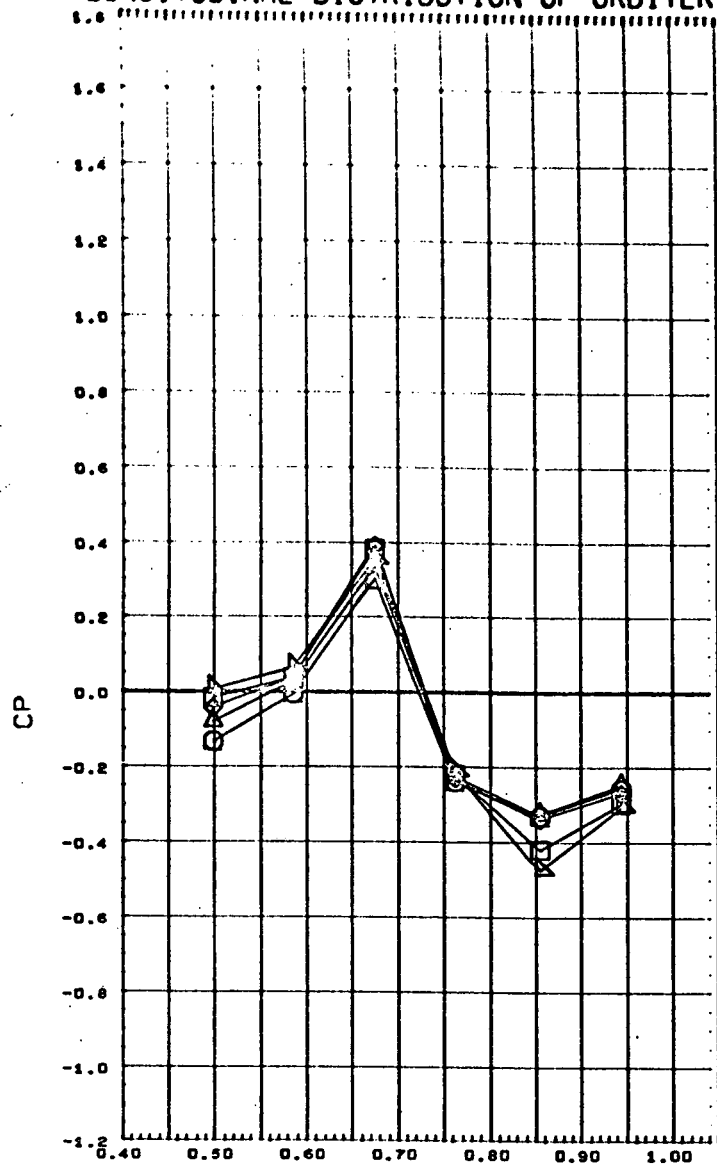


SYMBOL	X/L		
	ALFB	Y/B	M1
	2.171	0.568	1.104
	4.158	0.738	
	6.148		
	8.136		
	10.122		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

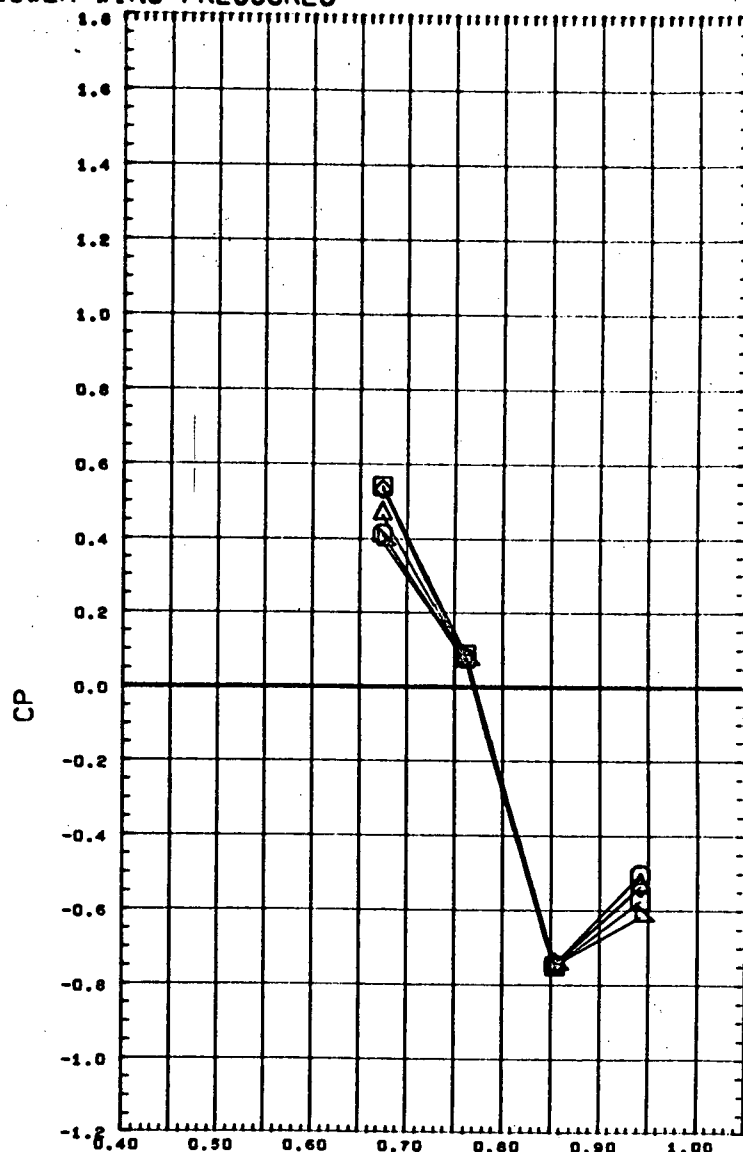
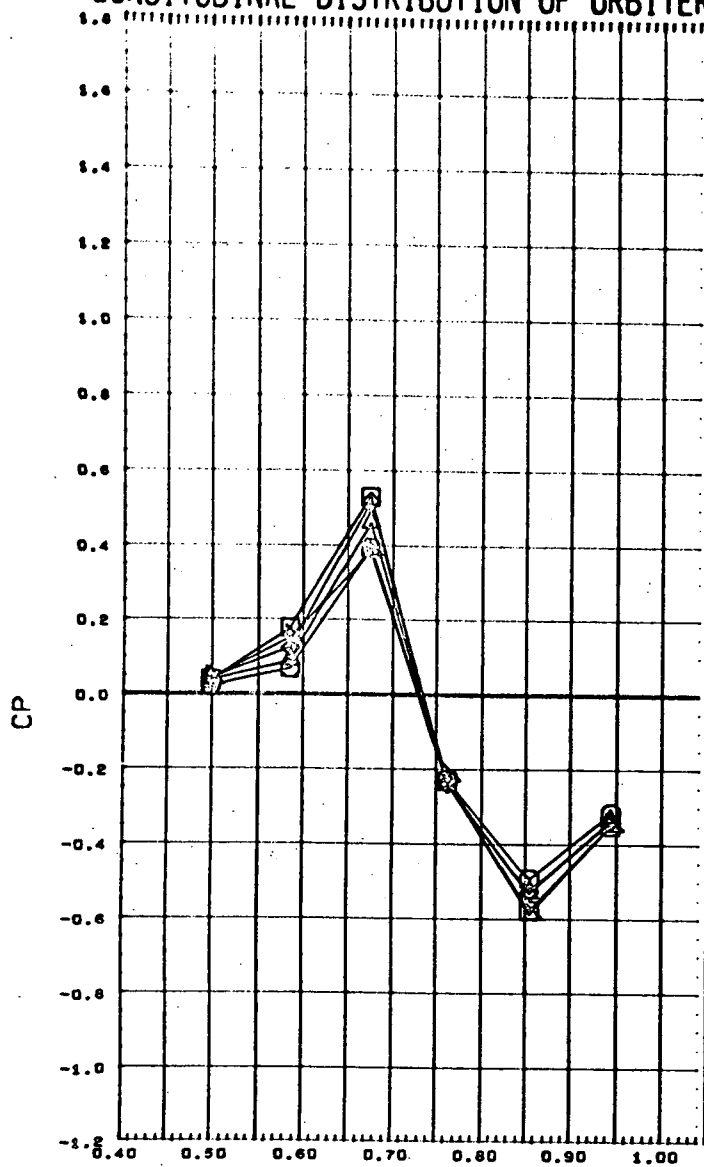


SYMBOL	ALFB	Y/B	M1
○	- 7.923	0.230	1.201
△	- 6.815	0.399	
◇	- 3.827		
□	- 1.841		
▽	- 0.145		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	0.000
OX/L	- 0.194

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

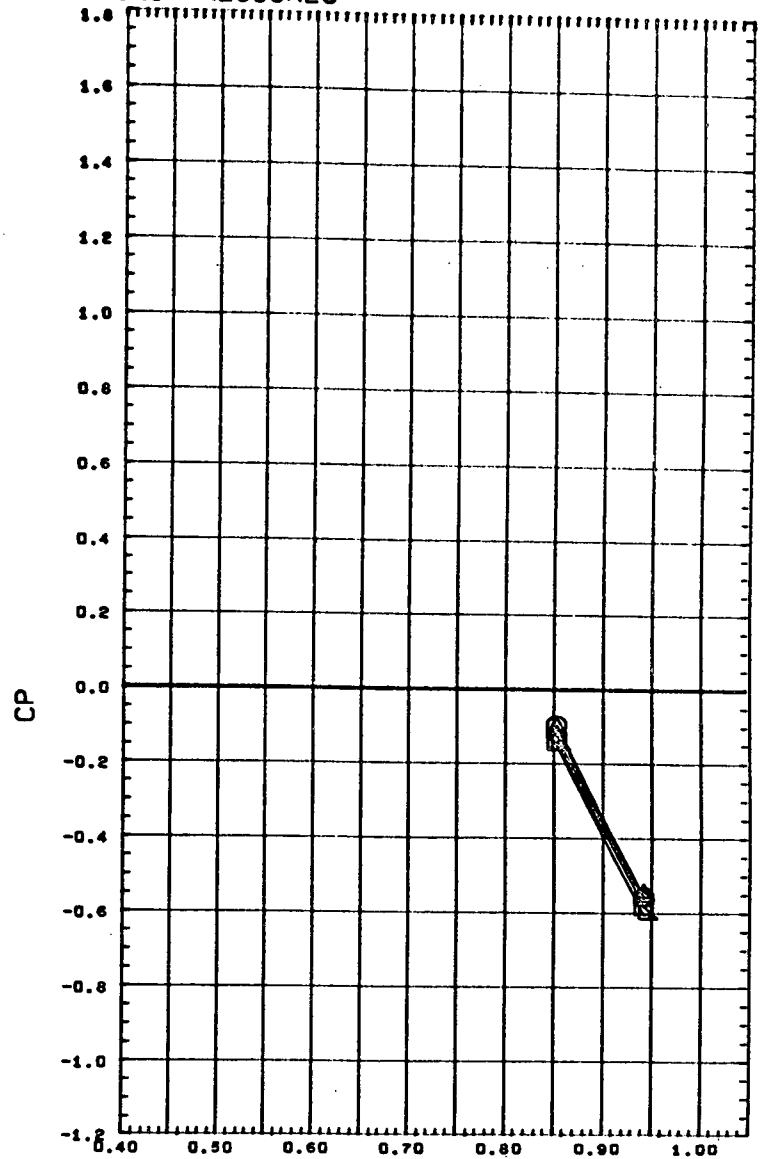
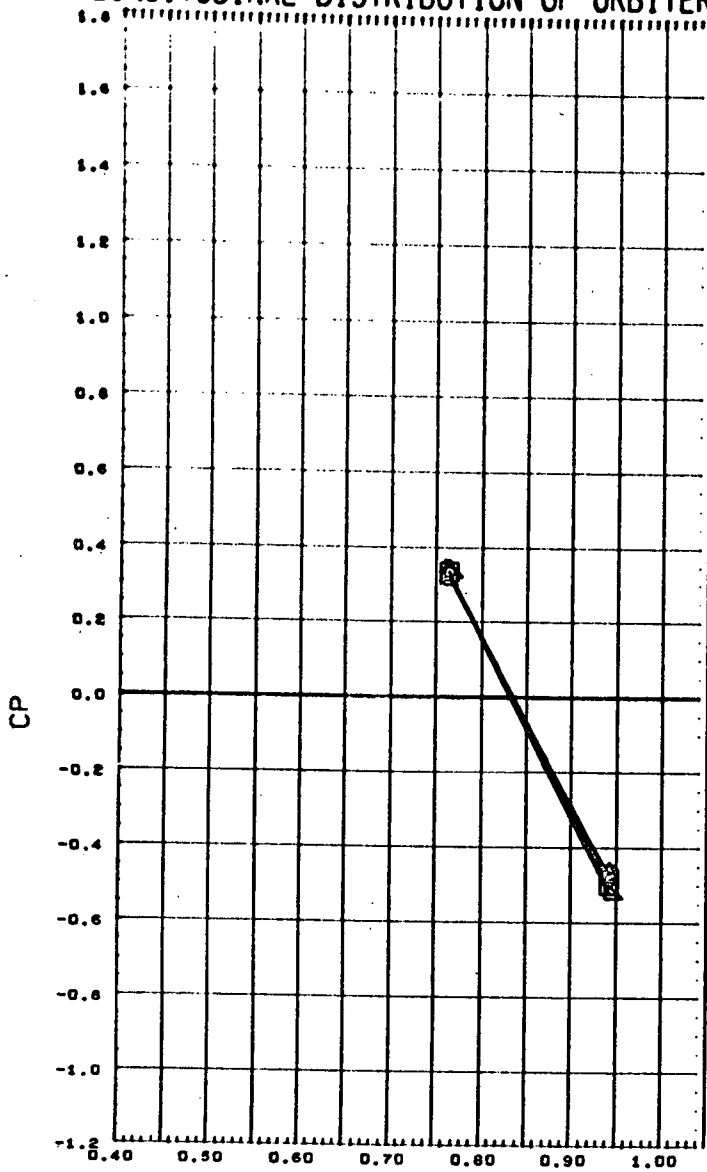


SYMBOL	ALFB	Y/B	X/L
○	2.167	0.230	1.201
△	4.166	0.399	
◇	6.147		
□	8.143		
+	10.117		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	OX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

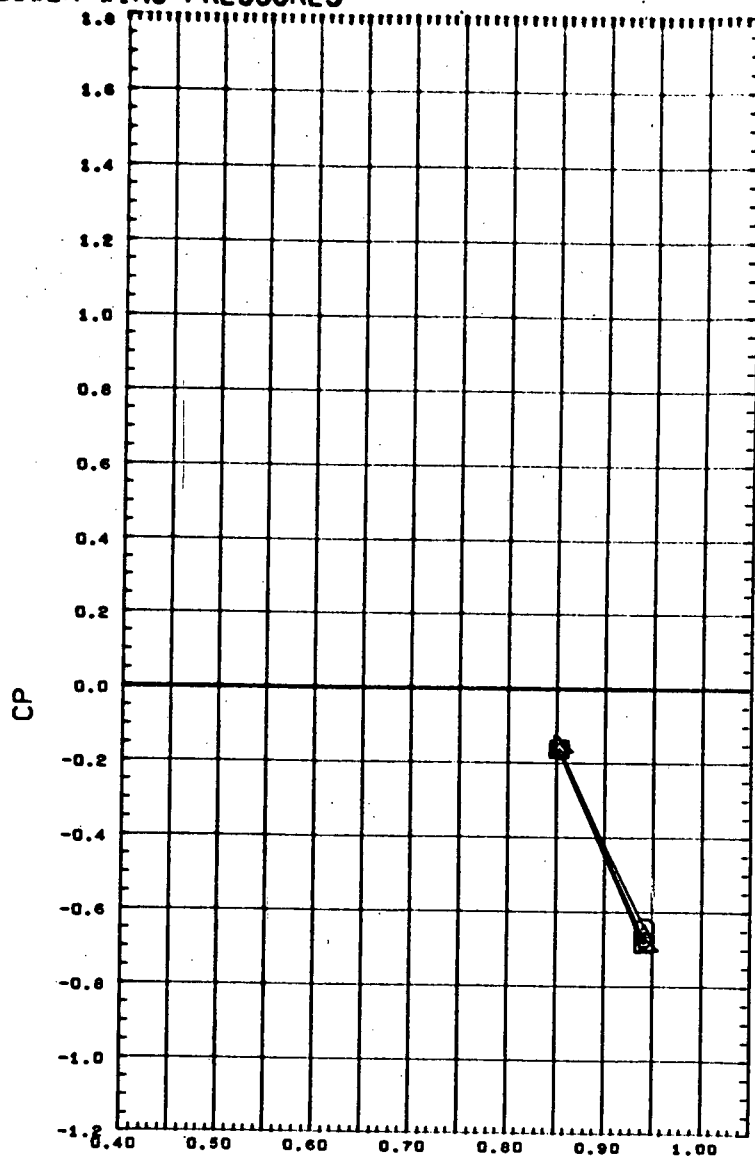
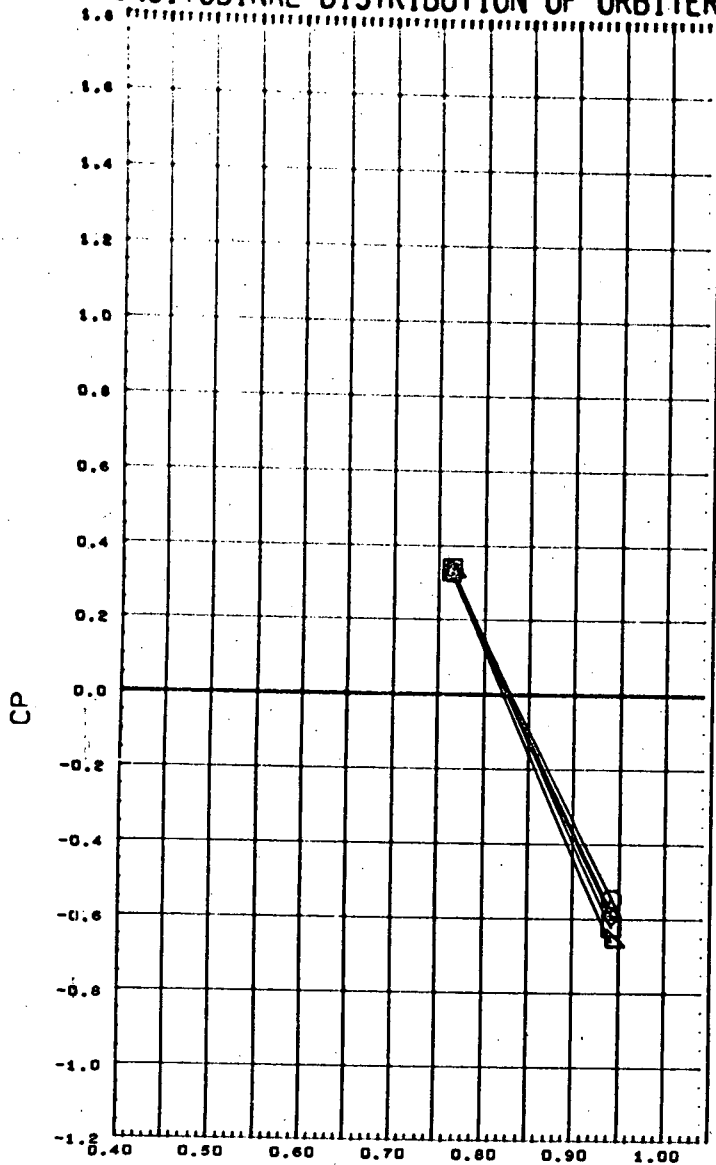


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.923	0.568	1.201
△	- 5.815	0.738	
◇	- 3.827		
□	- 1.841		
▤	0.145		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

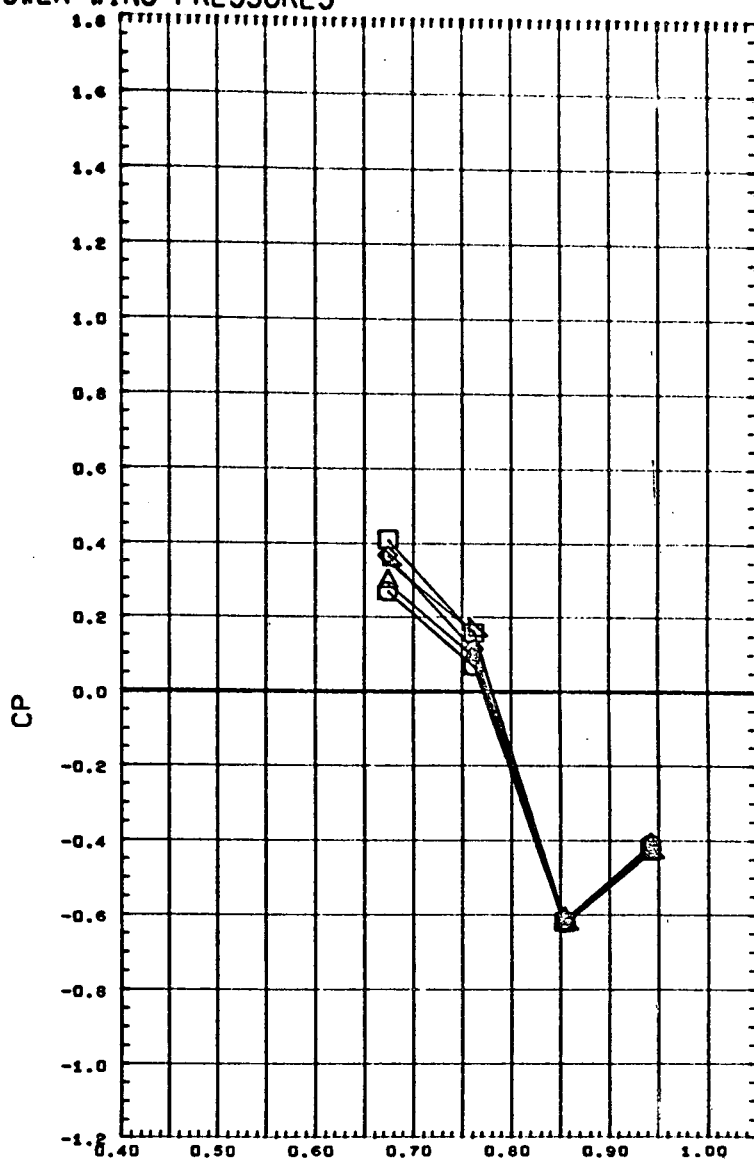
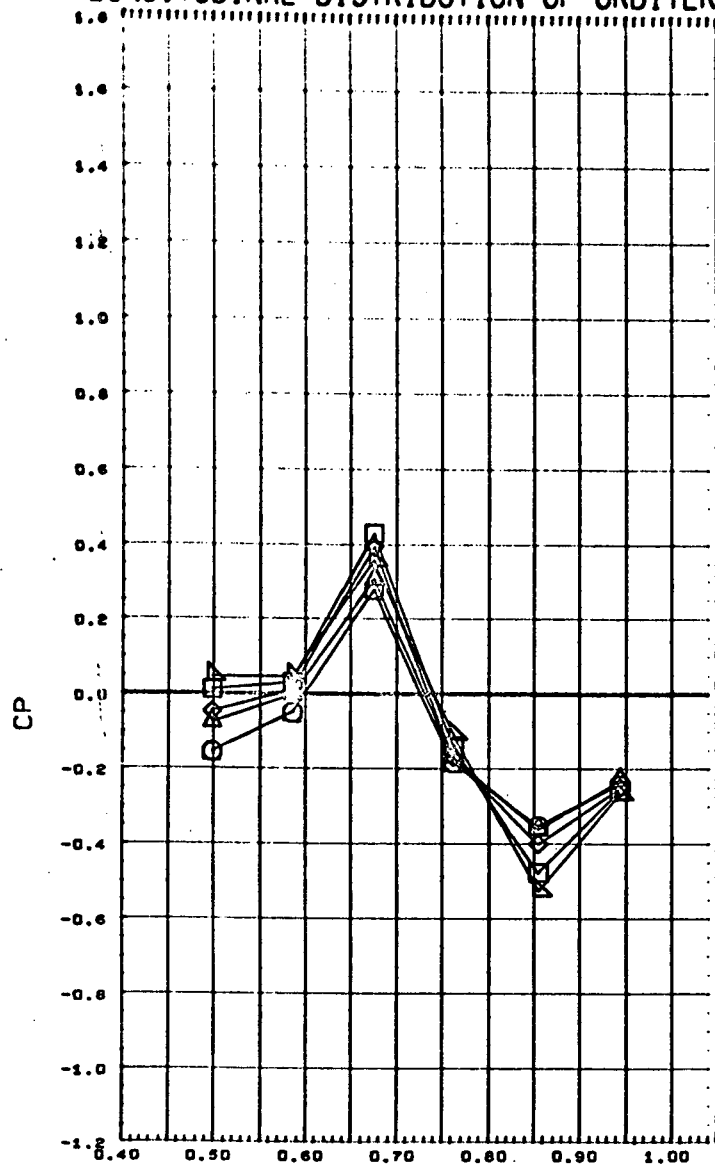


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.167	0.568	1.201
△	4.166	0.738	
◇	6.147		
□	8.143		
◻	10.117		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

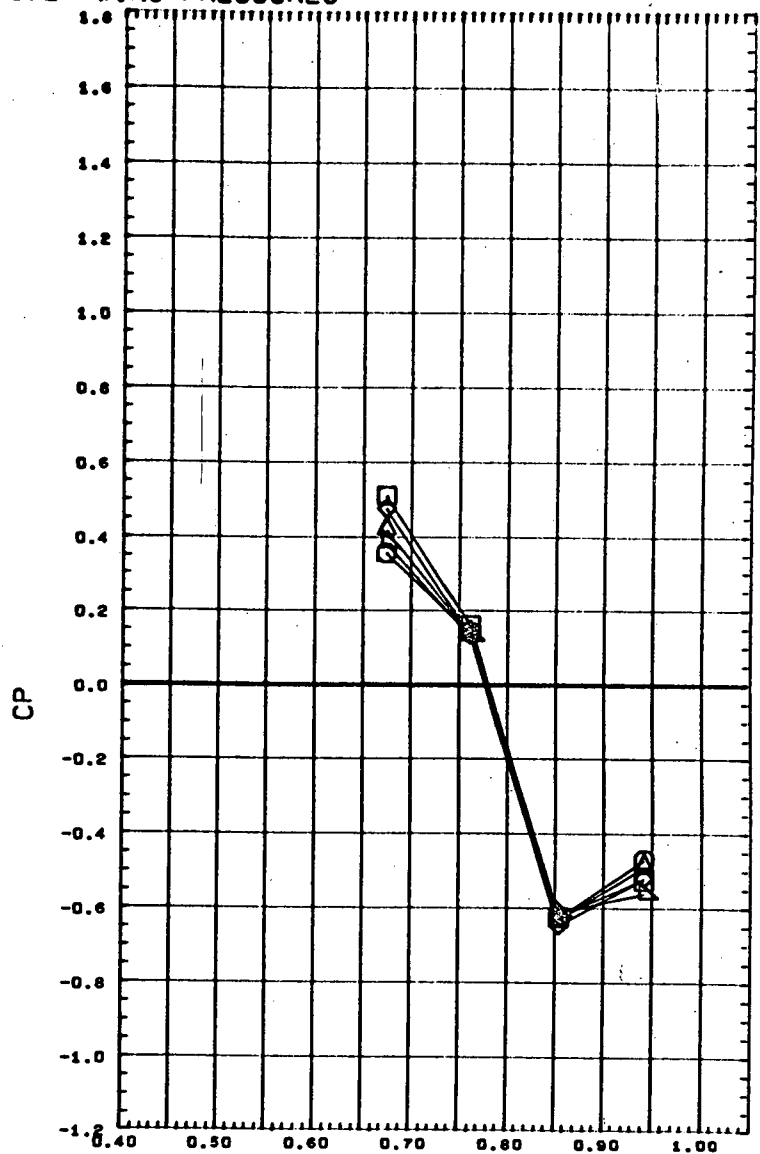
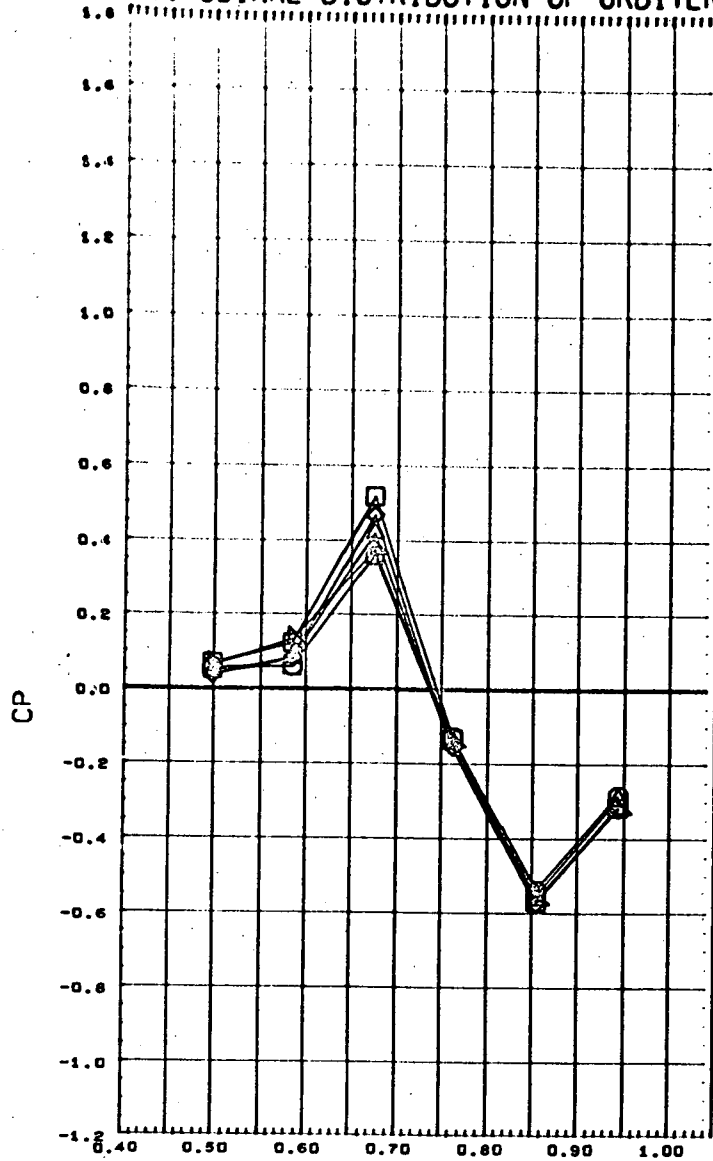


X/L			
SYMBOL	ALFB	Y/B	M1
○	7.930	0.230	1.300
△	5.834	0.399	
◇	3.852		
□	1.848		
▽	0.145		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

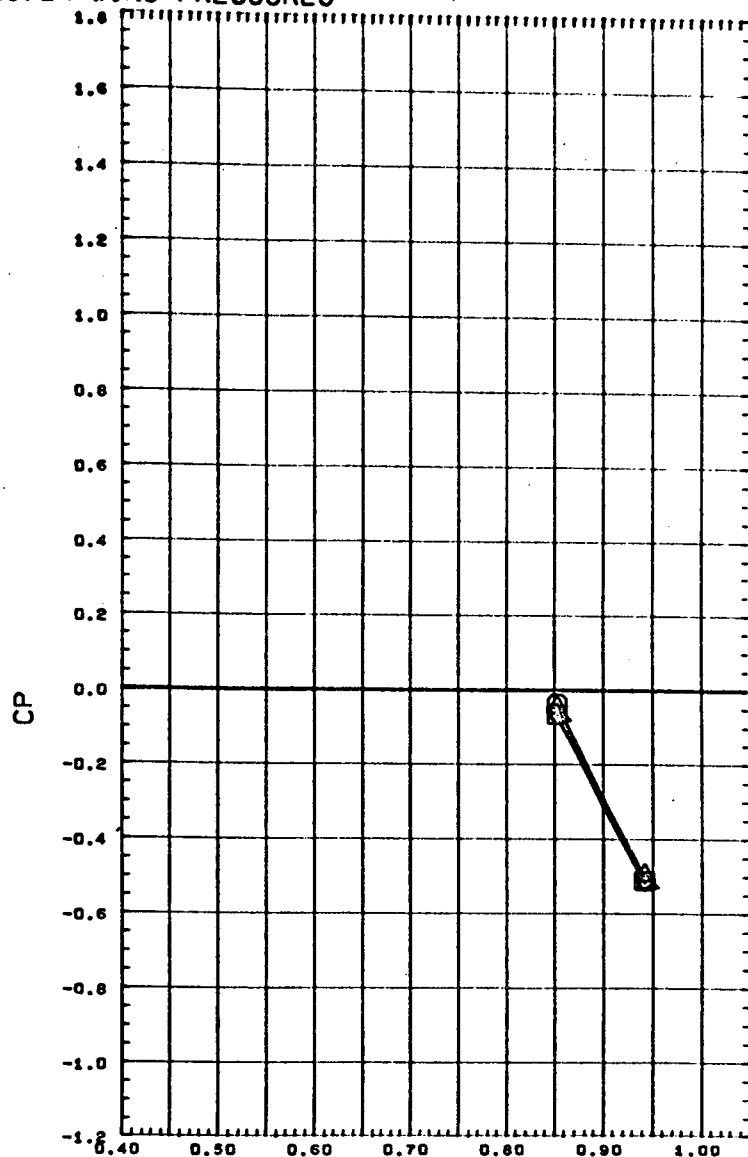
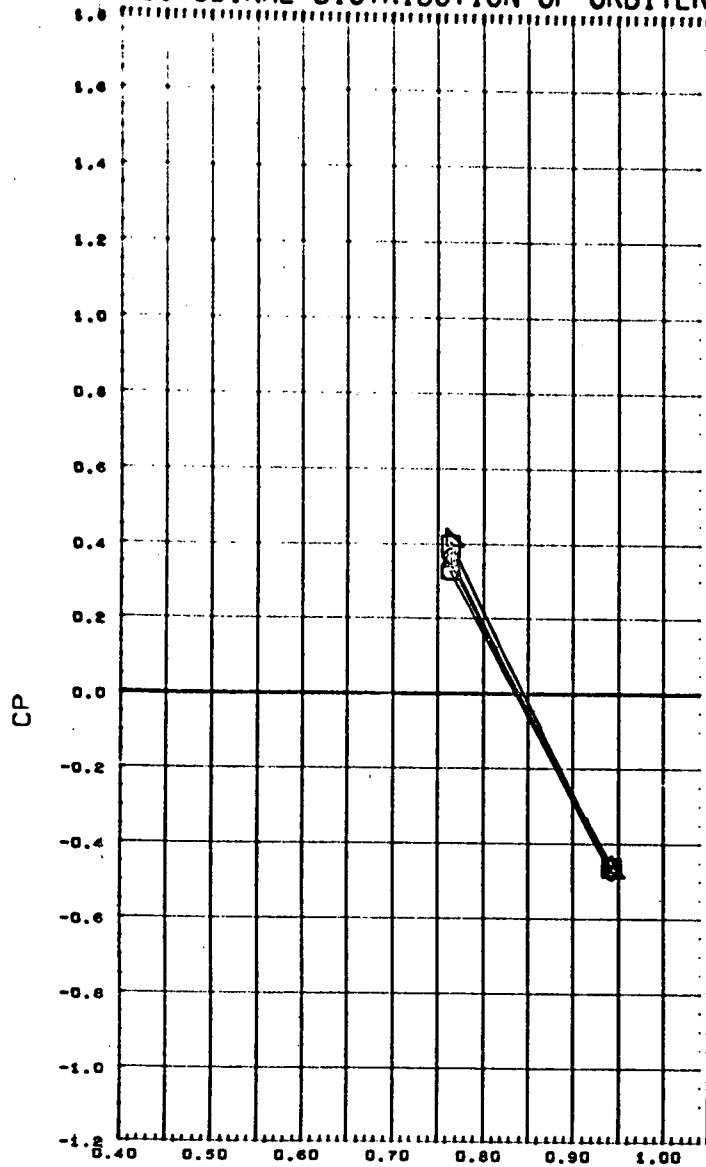


SYMBOL	ALFB	Y/B	M1
○	2.163	0.230	1.300
△	4.164	0.399	
◇	6.136		
□	8.142		
◻	10.136		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES



X/L

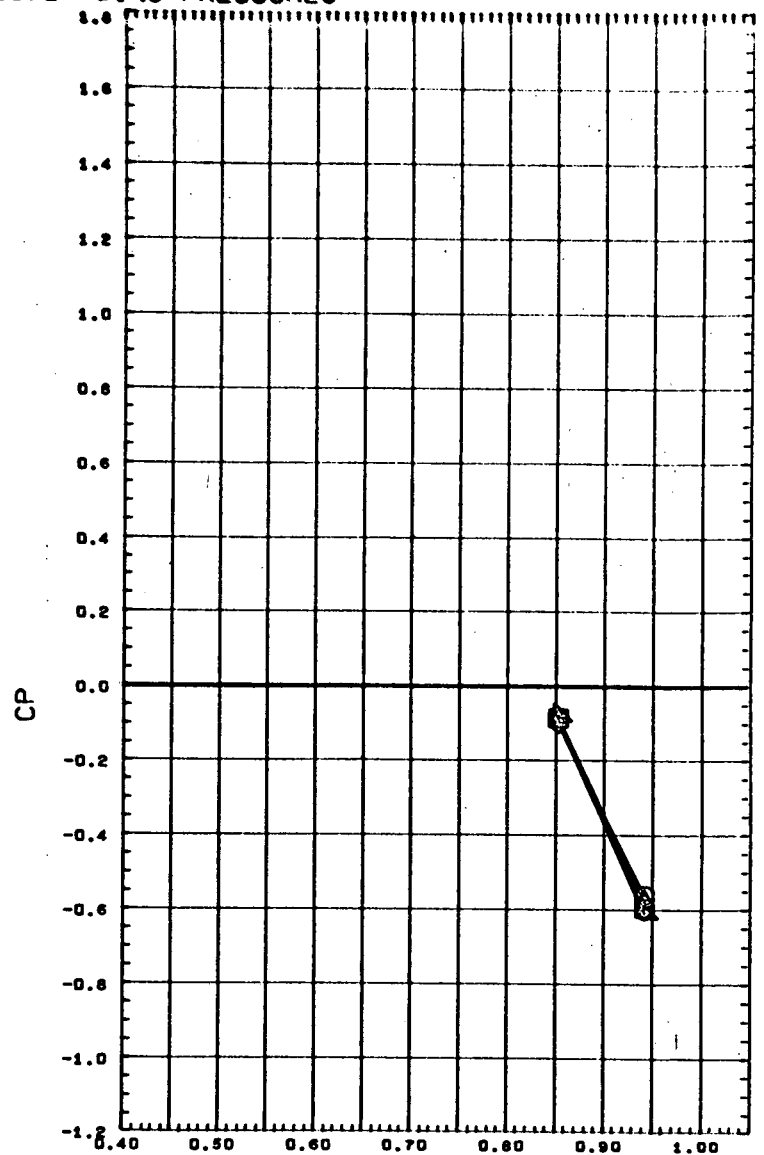
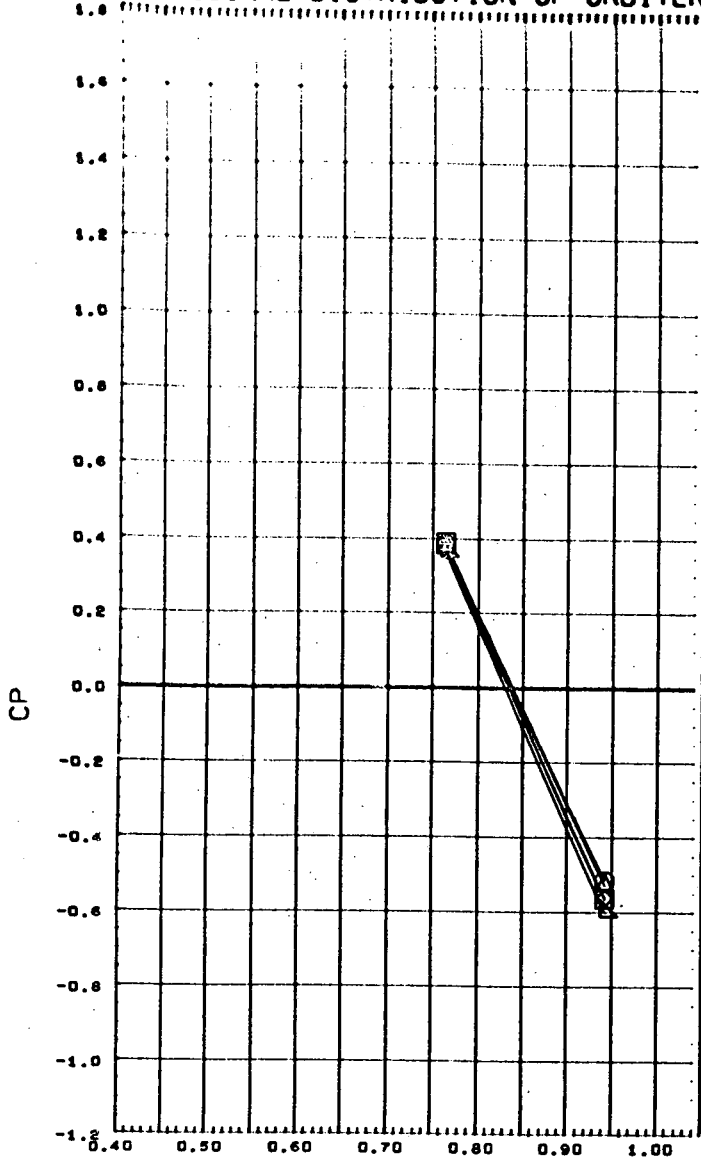
SYMBOL	ALFB	Y/B	M1
○	- 7.930	0.568	1.300
△	- 5.834	0.738	
◇	- 3.852		
□	- 1.843		
▽	0.145		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER LOWER WING PRESSURES

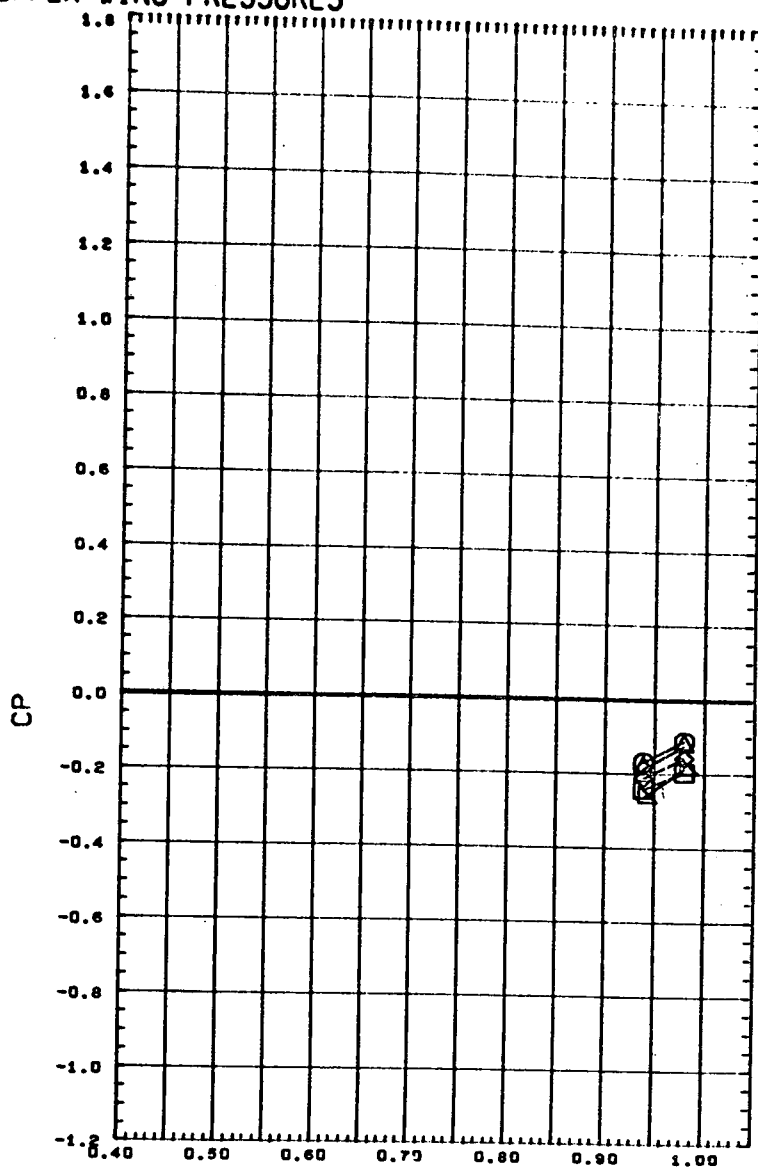
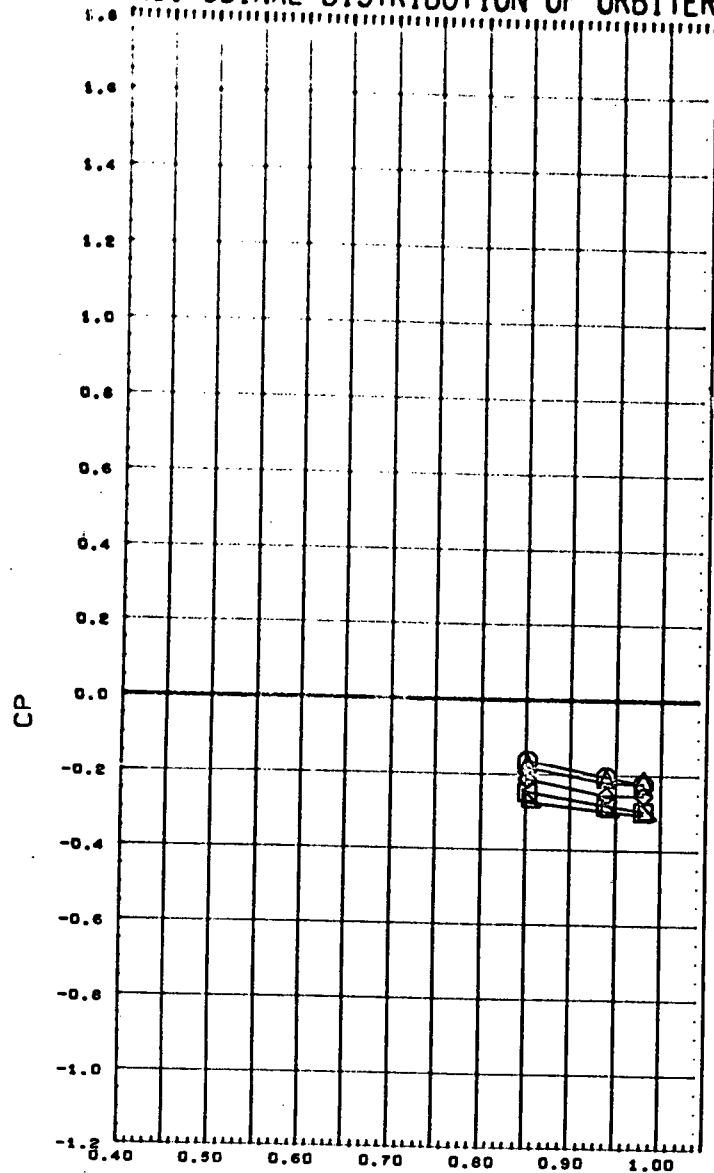


SYMBOL	ALFB	Y/B	M1
□	2.163	0.568	1.300
◇	4.164	0.738	
◇	6.136		
◇	8.142		
◇	10.136		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

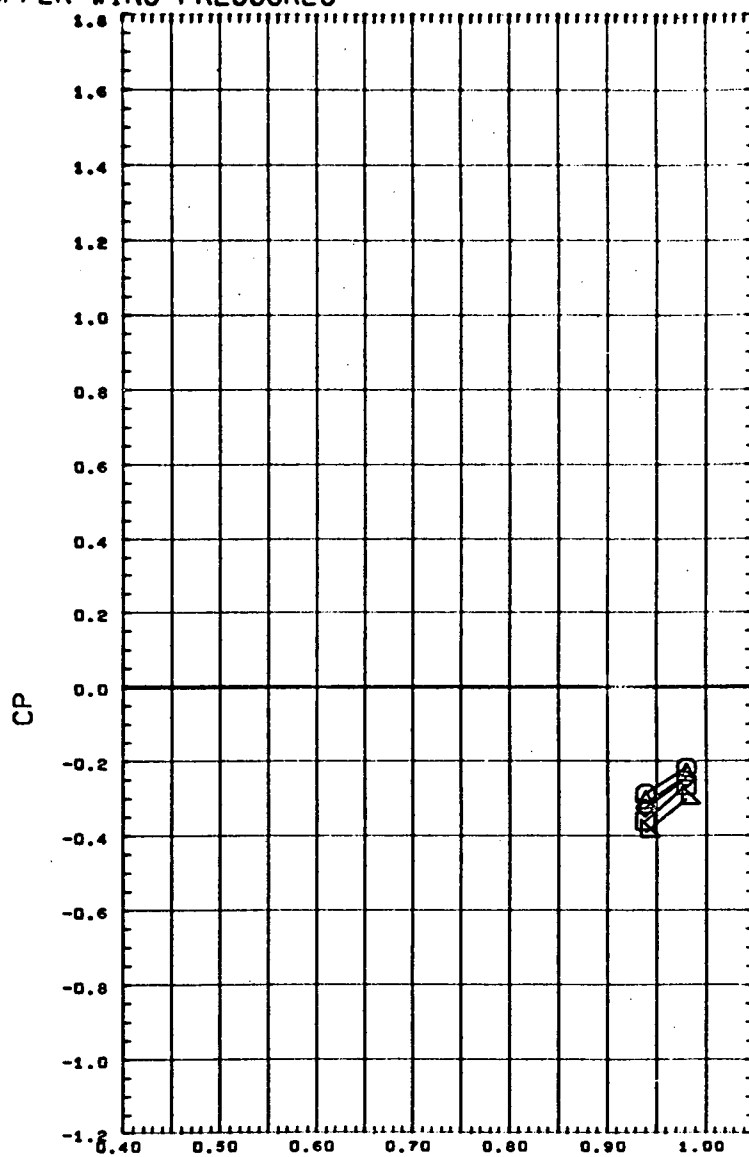
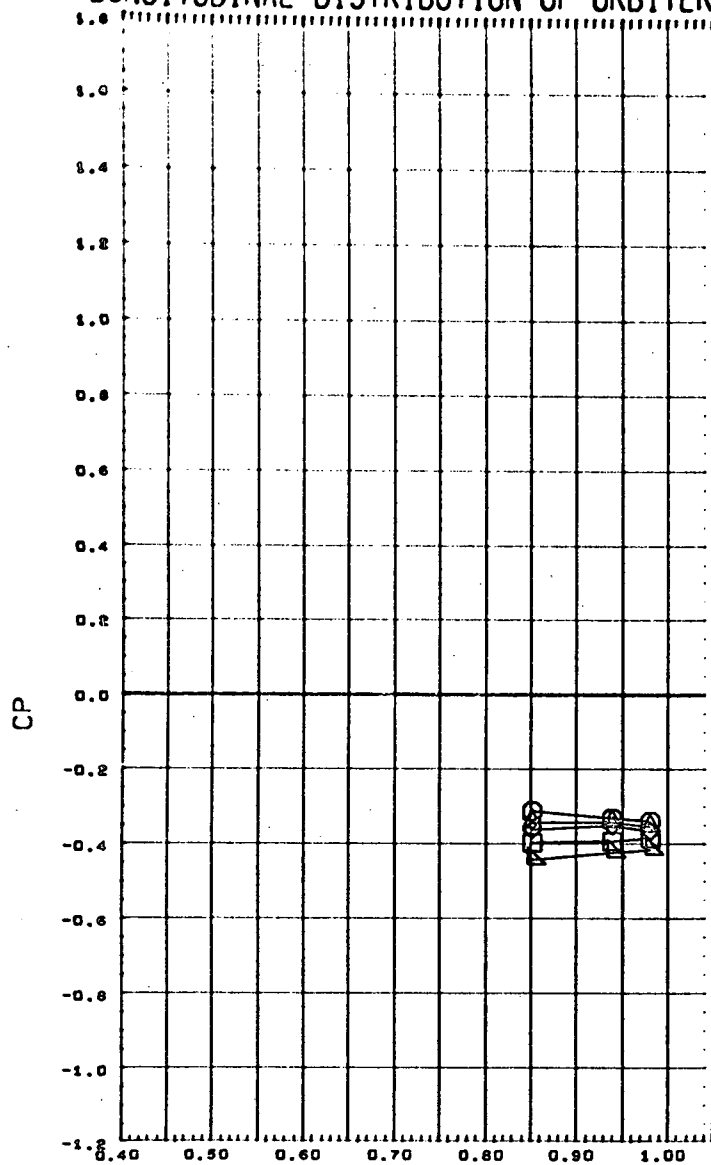


X/L			
SYMBOL	ALFB	Y/B	M1
○	7.935	0.289	0.600
△	5.896	0.399	
◇	4.415		
□	2.278		
▽	0.122		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0.000
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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

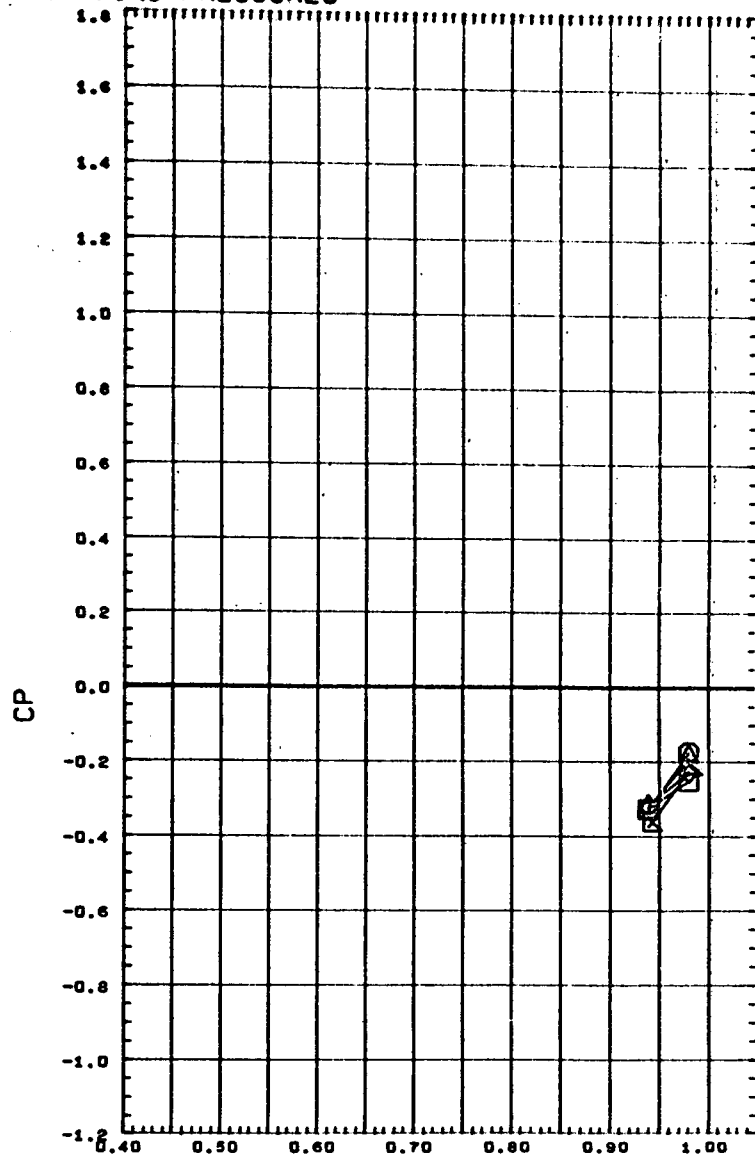
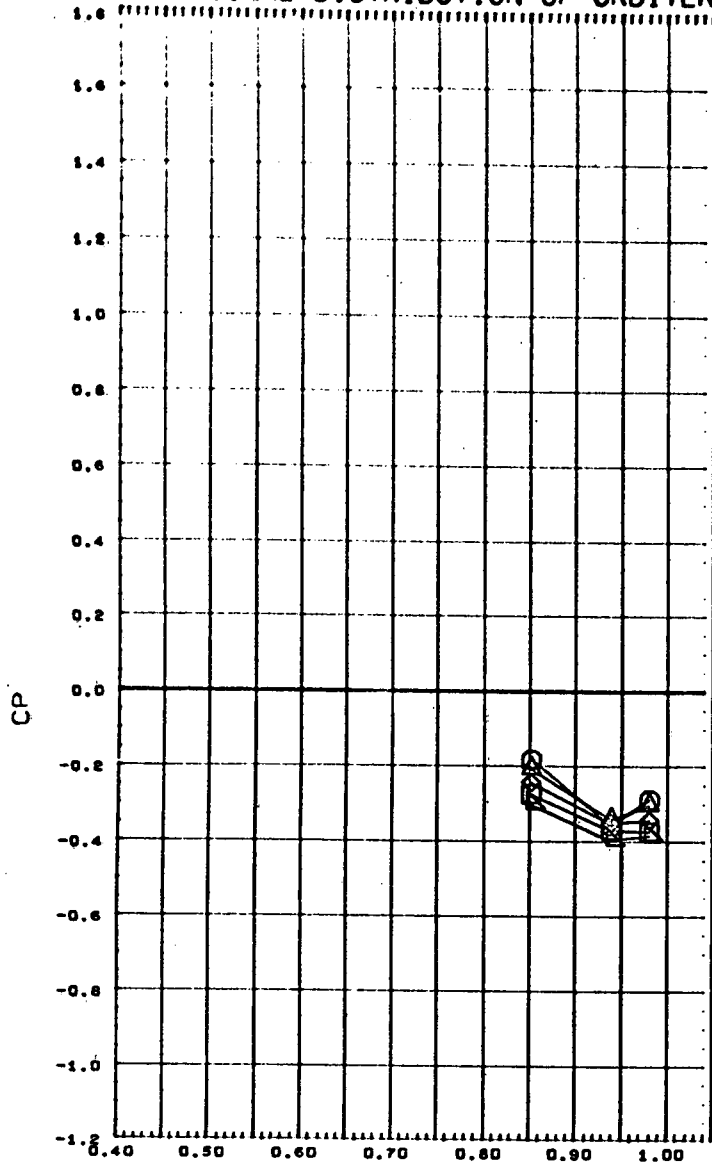


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.077	0.289	0.600
◇	4.089	0.399	
◇	5.583		
□	8.037		
△	10.078		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

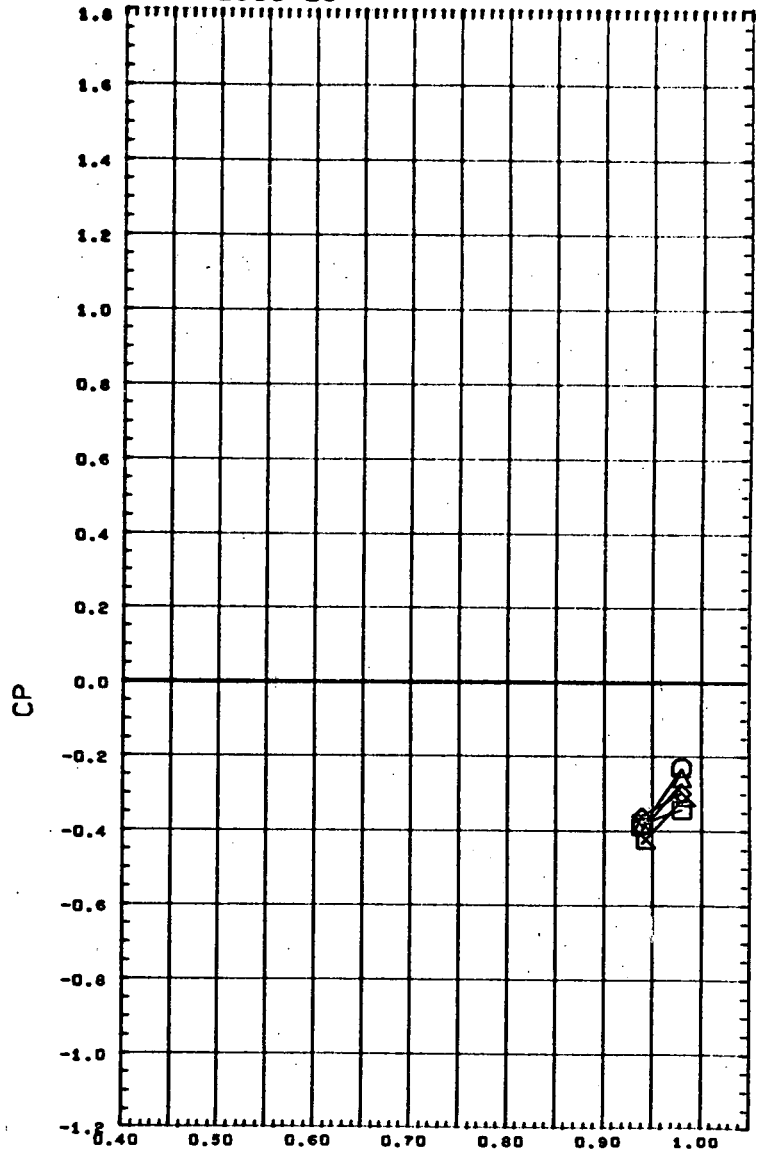
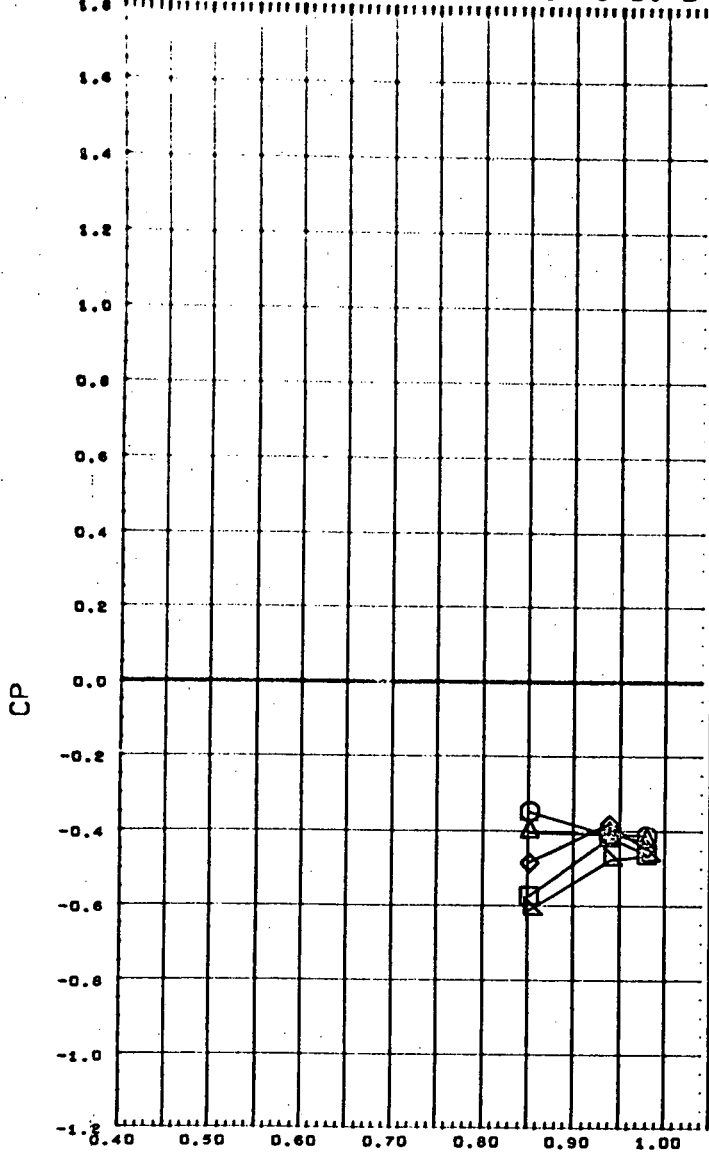


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.137	0.289	0.894
△	- 5.806	0.399	
◇	- 3.831		
◻	- 1.836		
◼	0.154		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	DX/L 0.000
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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

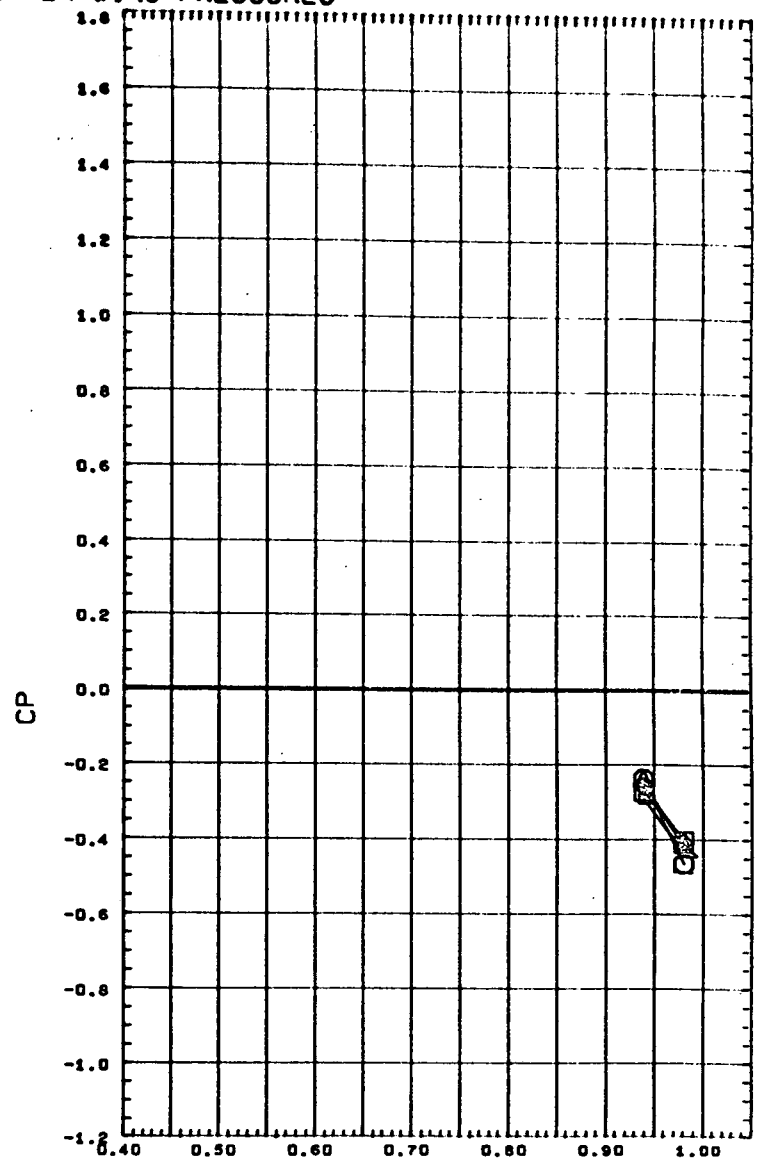
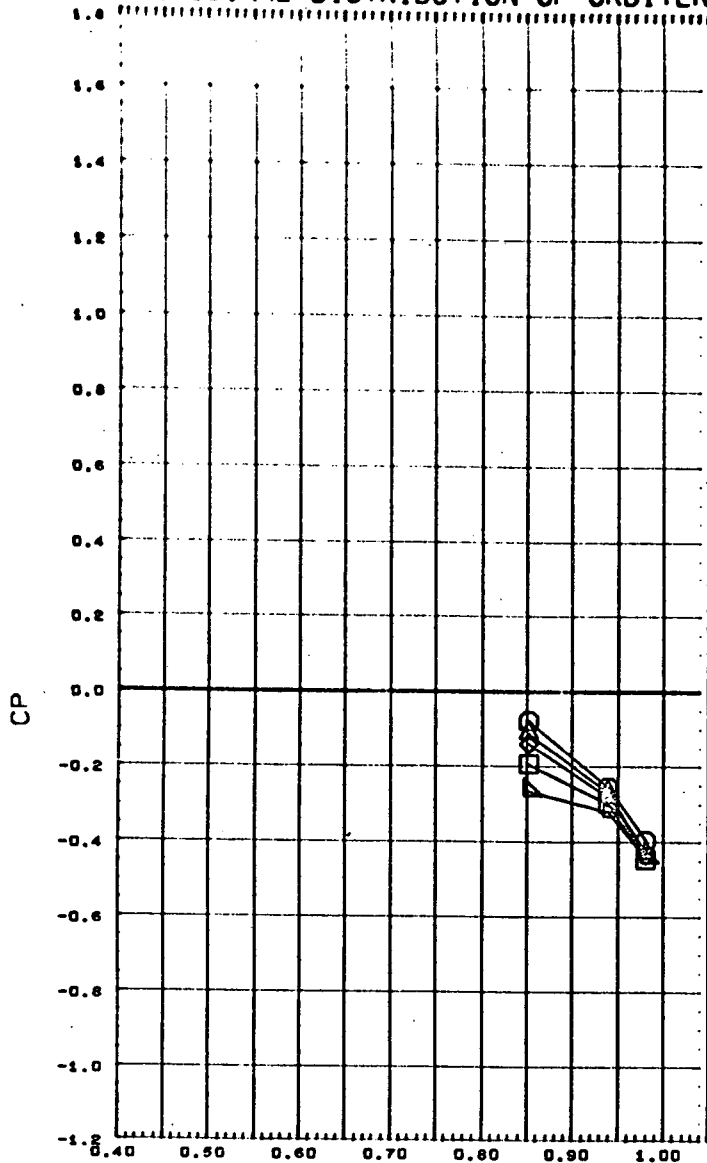


SYMBOL	ALFB	Y/B	M1
○	1.547	0.289	0.894
△	3.746	0.399	
◇	6.129		
□	8.138		
▽	10.120		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

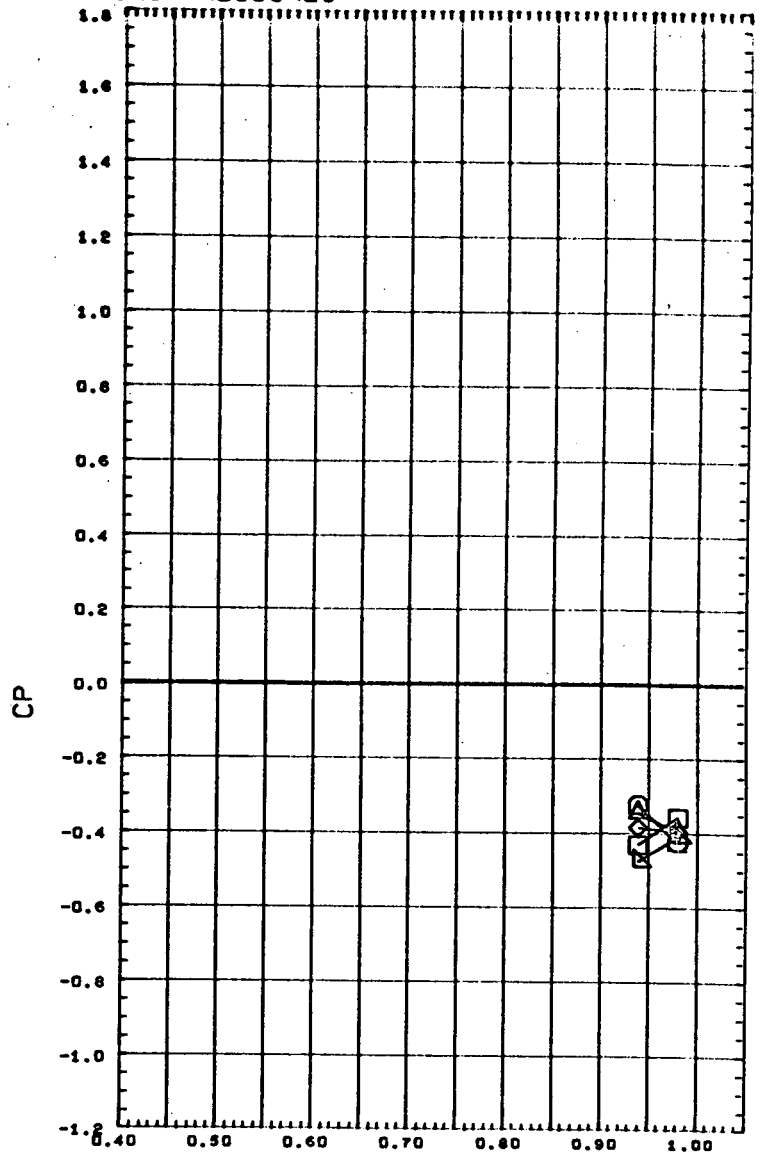
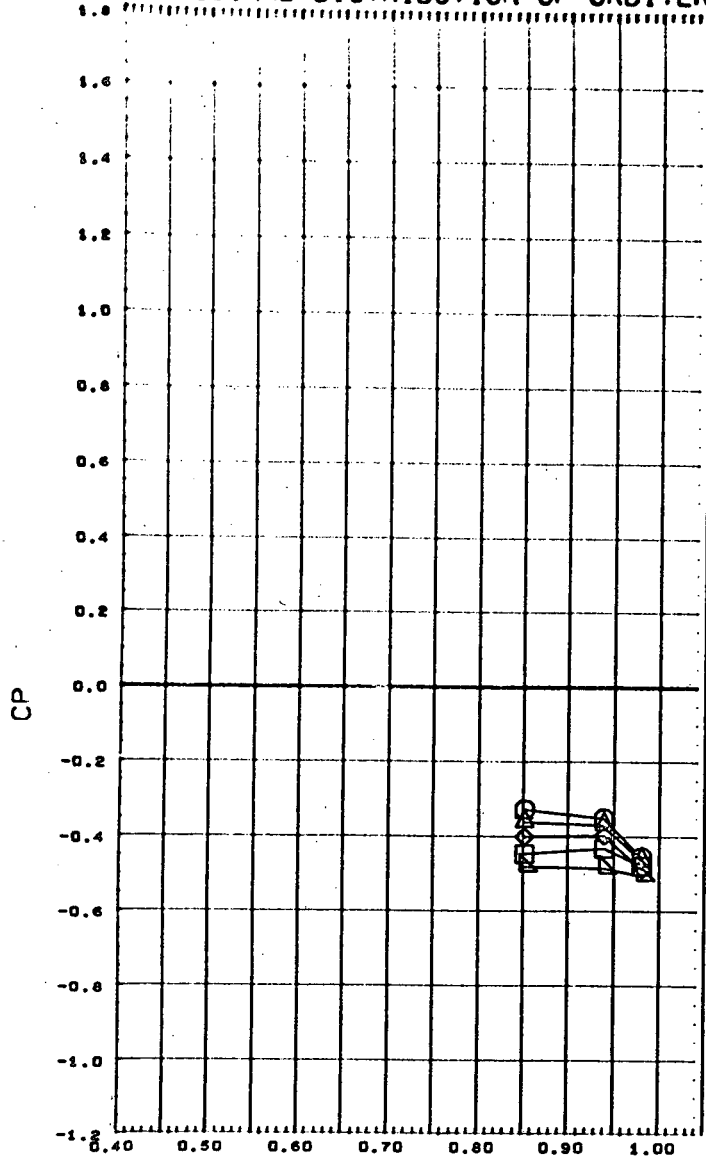


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.922	0.289	1.000
◇	- 5.773	0.399	
△	- 4.421		
□	- 2.227		
▽	0.197		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.000
1	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

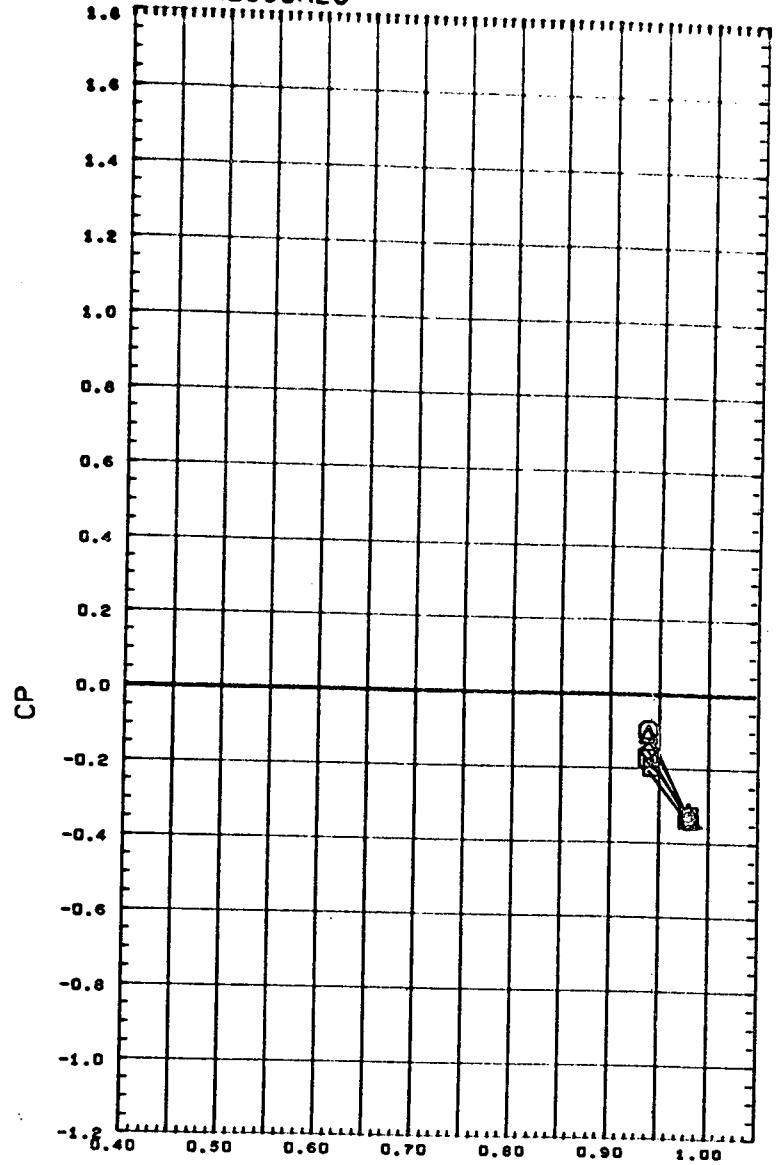
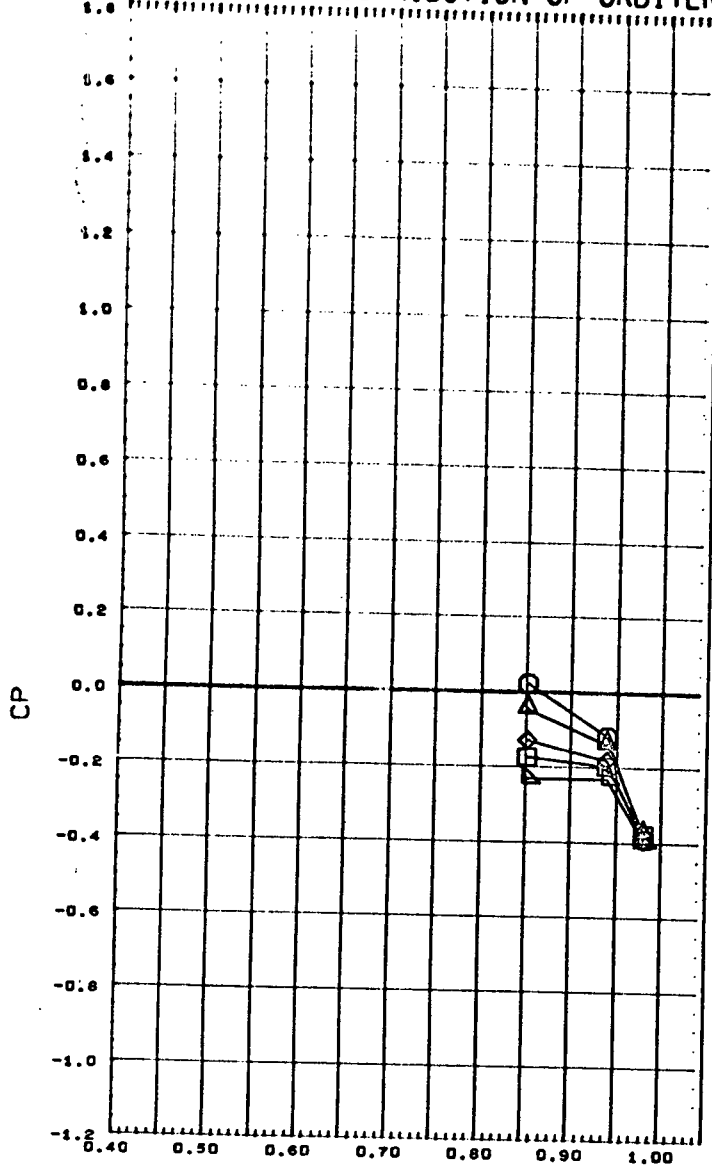
SYMBOL	ALFB	Y/B	M1
○	2.153	0.289	1.000
△	4.142	0.399	
◇	6.073		
◻	8.175		
◼	10.285		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

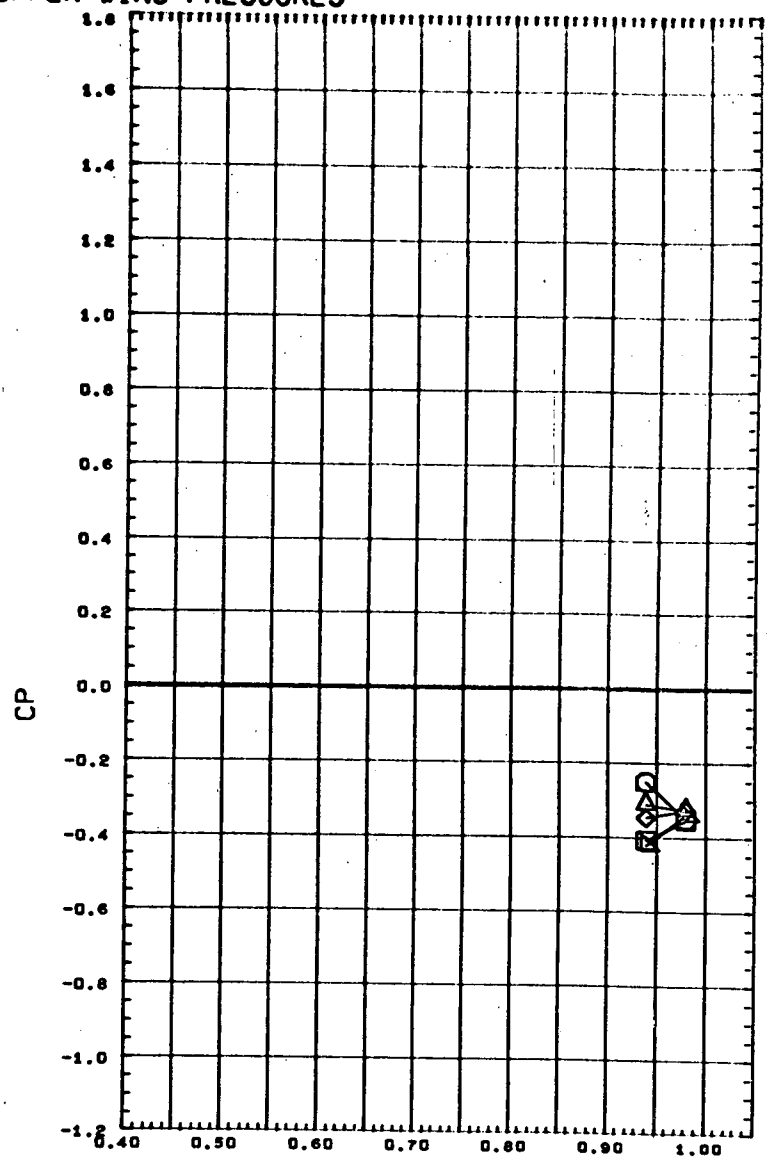
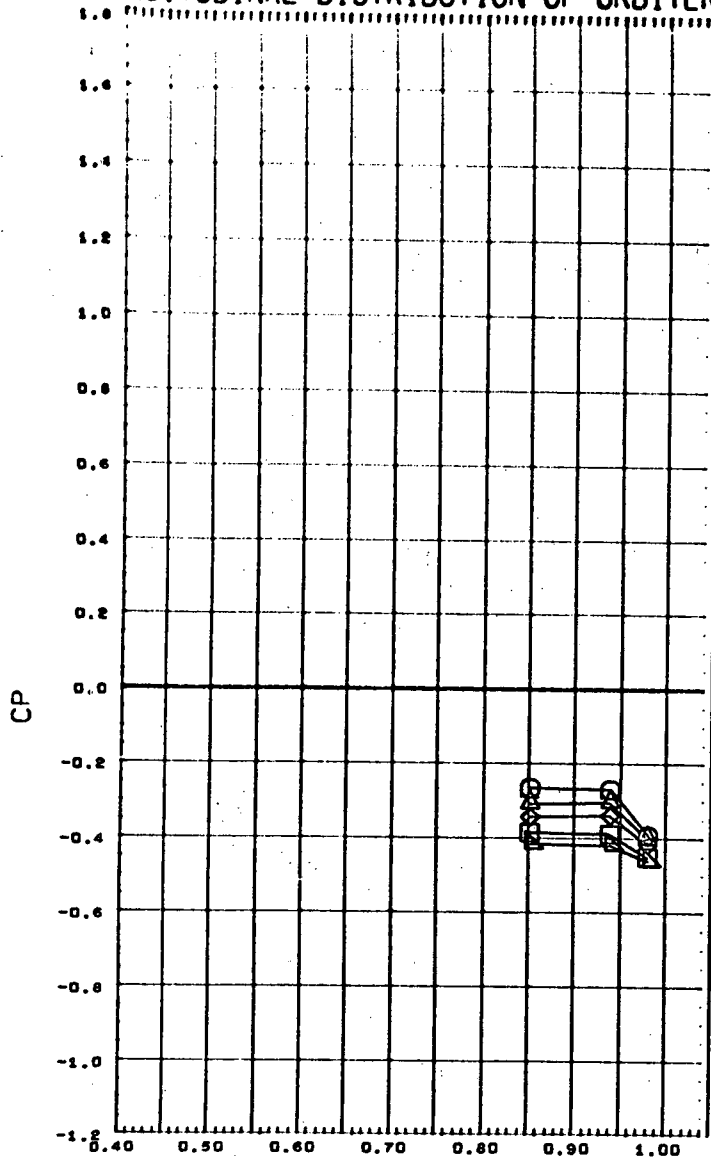


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.282	0.289	1.100
△	- 5.772	0.399	
◇	- 3.796		
□	- 1.825		
▽	0.182		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

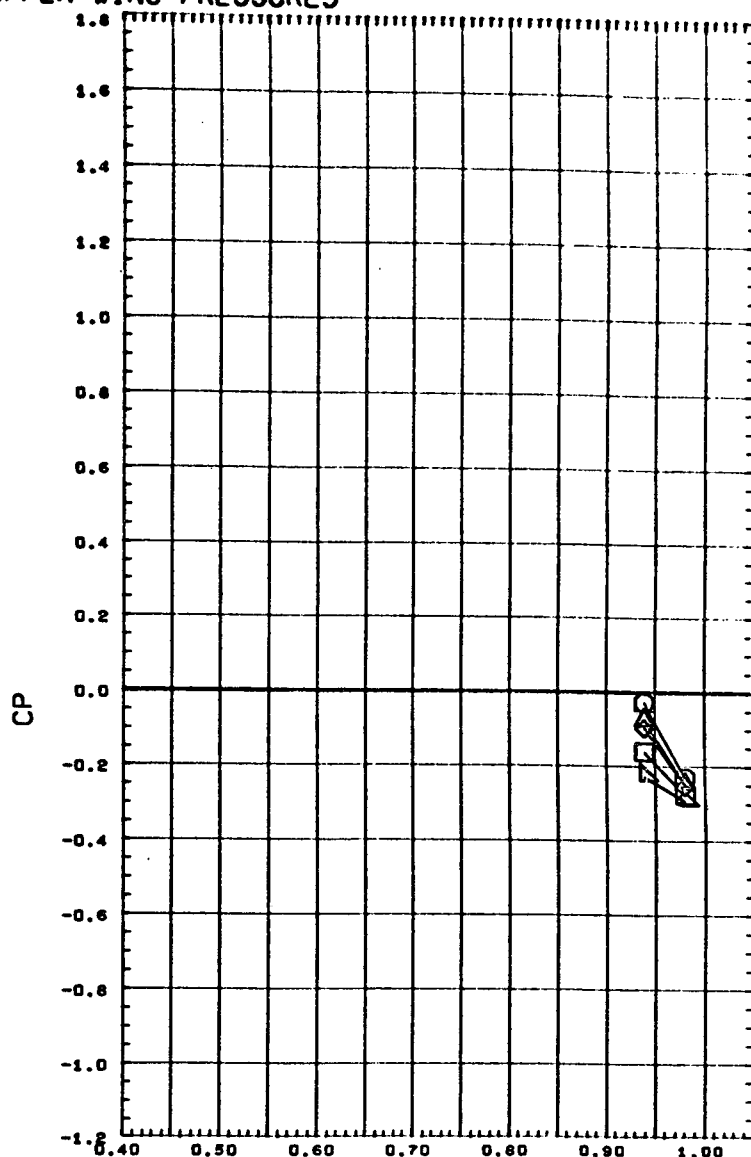
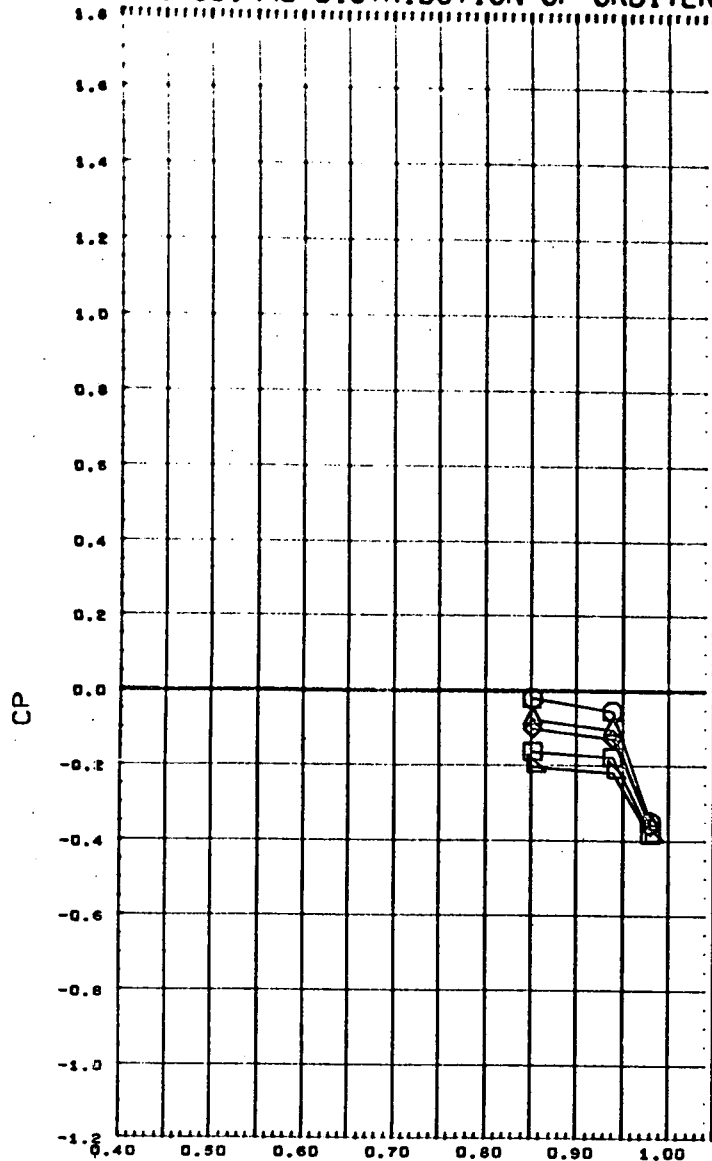


SYMBOL	ALFB	Y/B	M1
○	2.160	0.289	1.100
△	4.170	0.399	
◇	6.083		
◻	7.758		
◼	10.193		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0X/L	0.000
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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

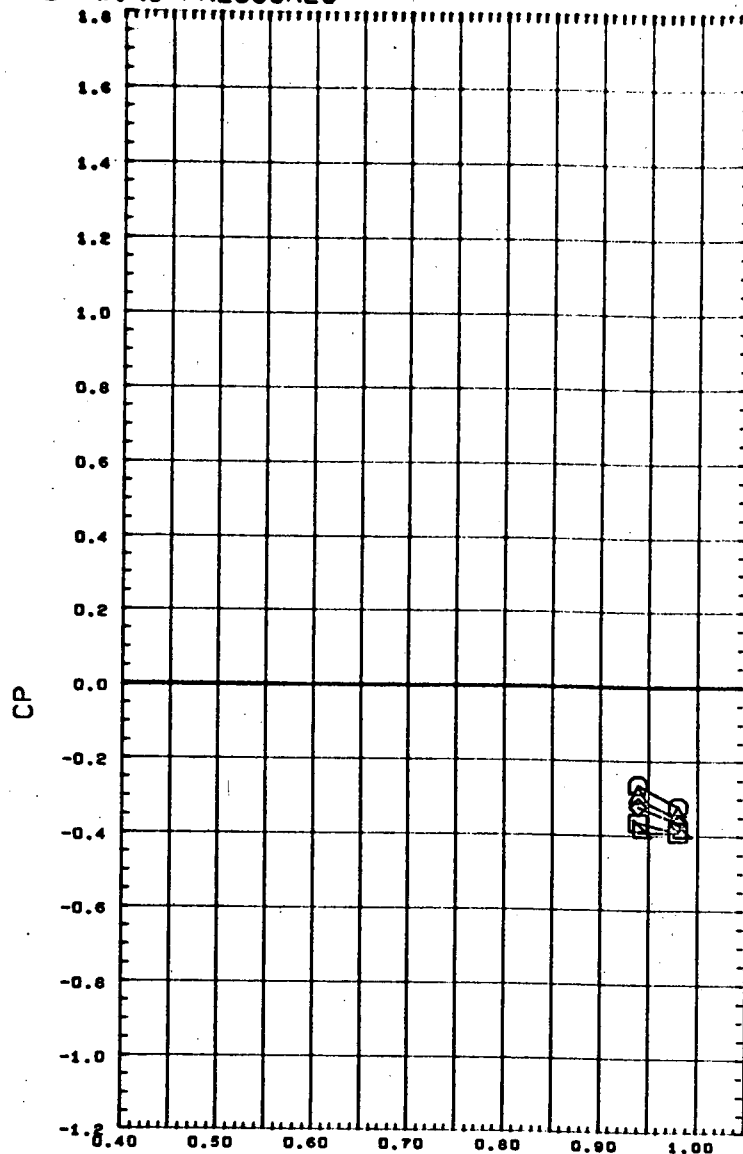
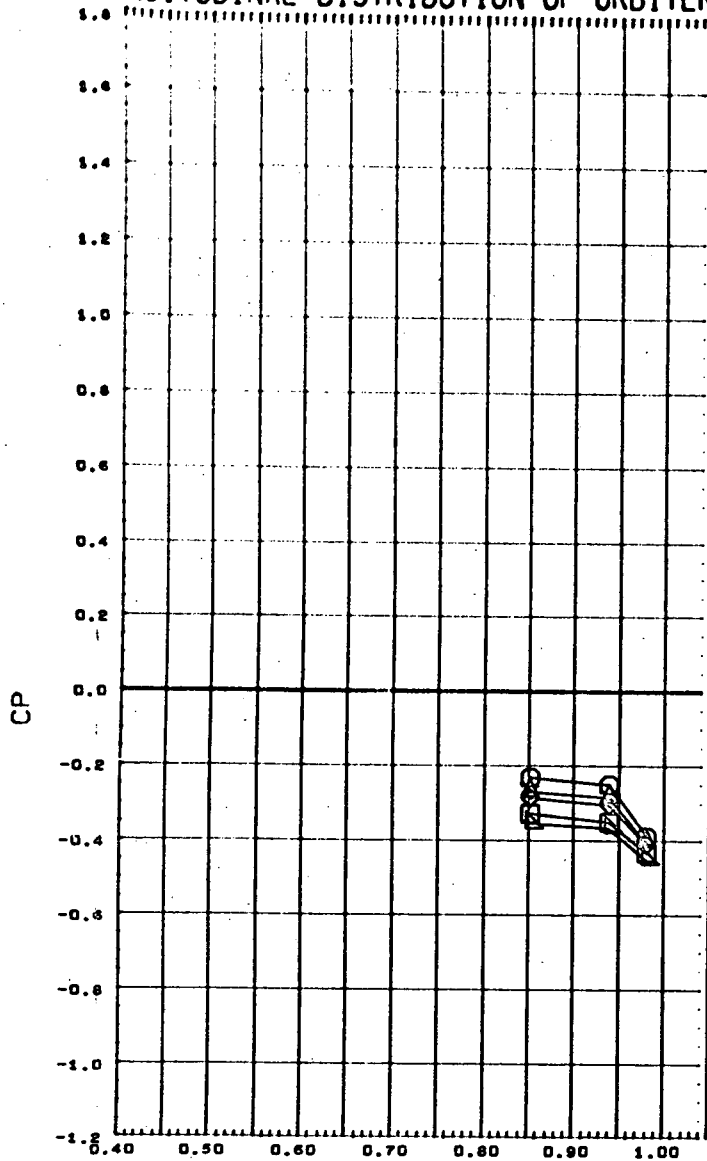


SYMBOL	ALFB	Y/B	M1
○	- 8.312	0.289	1.199
△	- 5.768	0.399	
◇	- 4.439		
◊	- 2.183		
◻	0.215		

REFERENCE FILE

	PARAMETRIC VALUES		
BETA	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

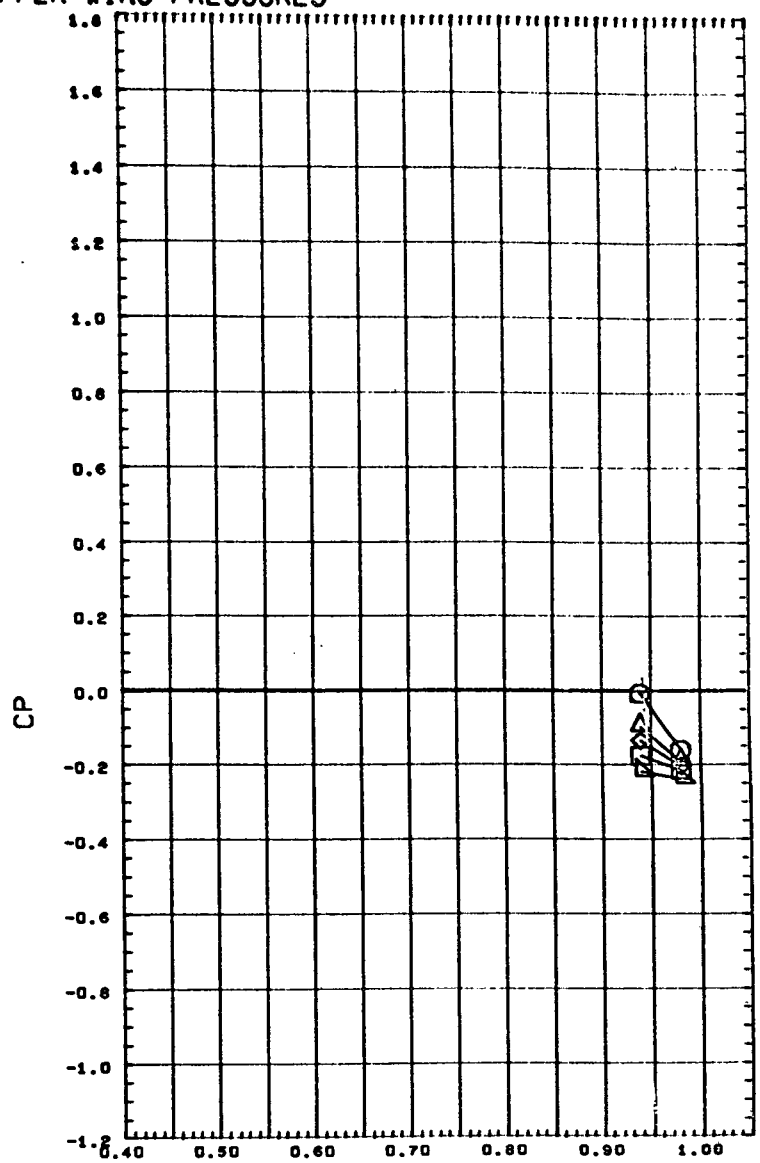
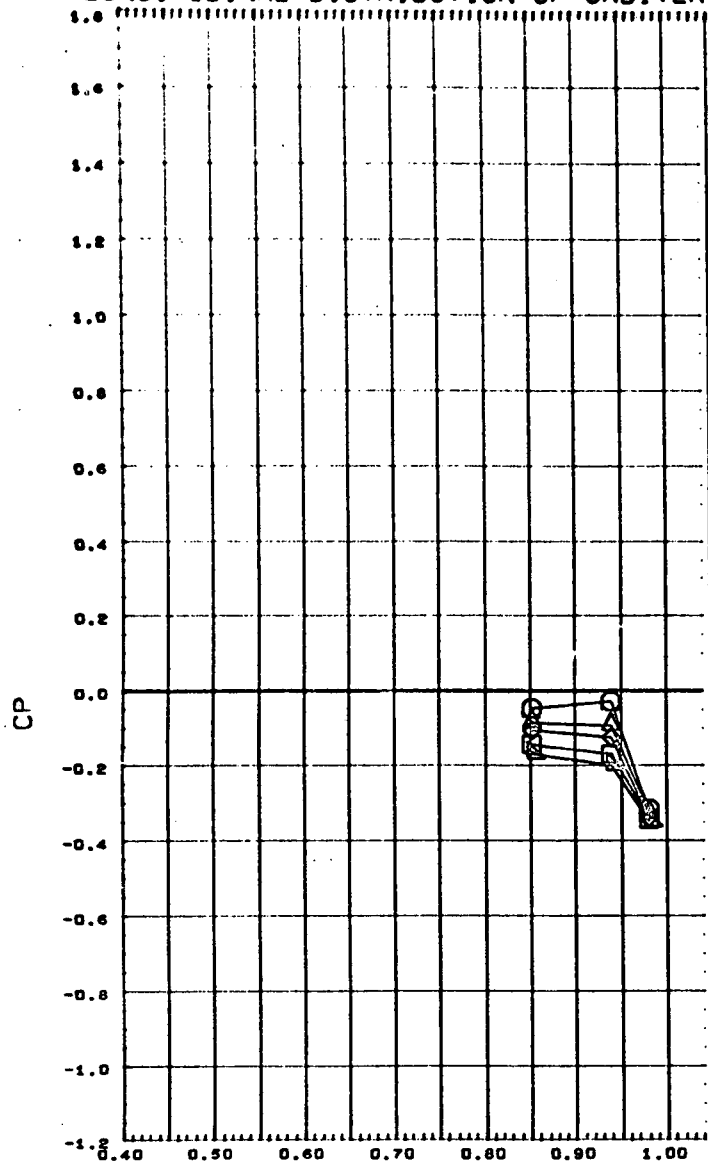


X/L			
SYMBOL	ALFB	Y/B	M1
○	2.170	0.289	1.199
△	4.167	0.399	
◇	5.540		
◻	8.201		
◻	10.161		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

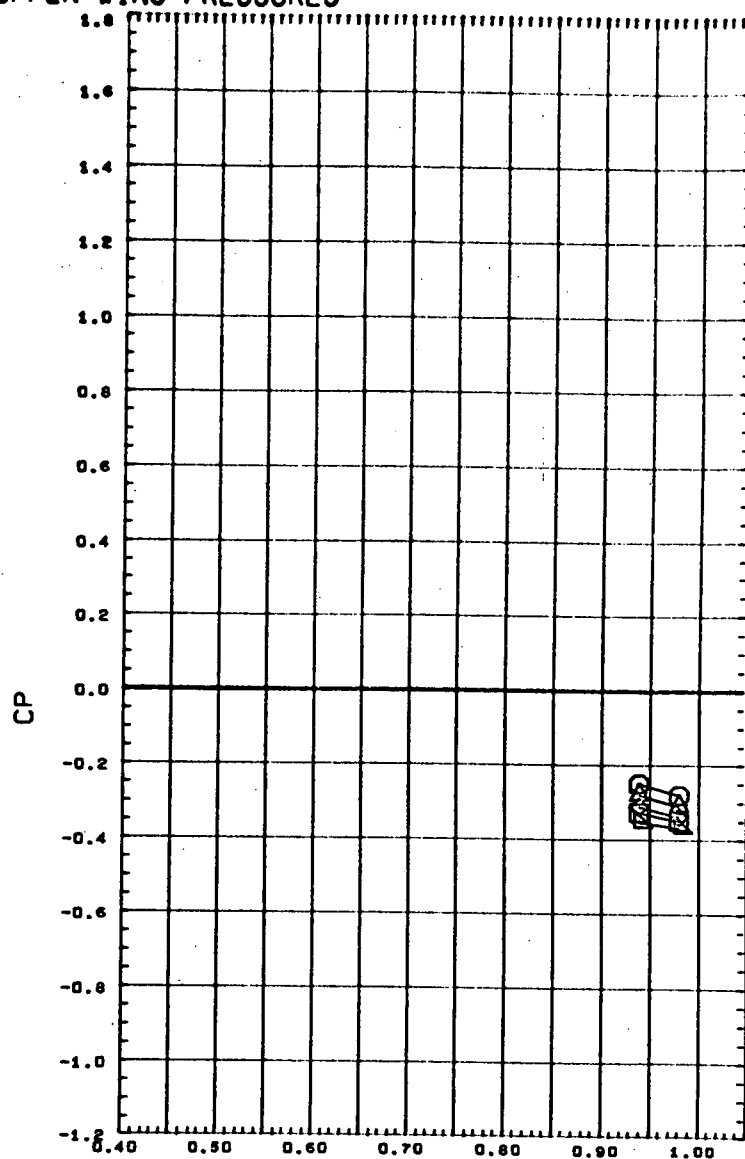
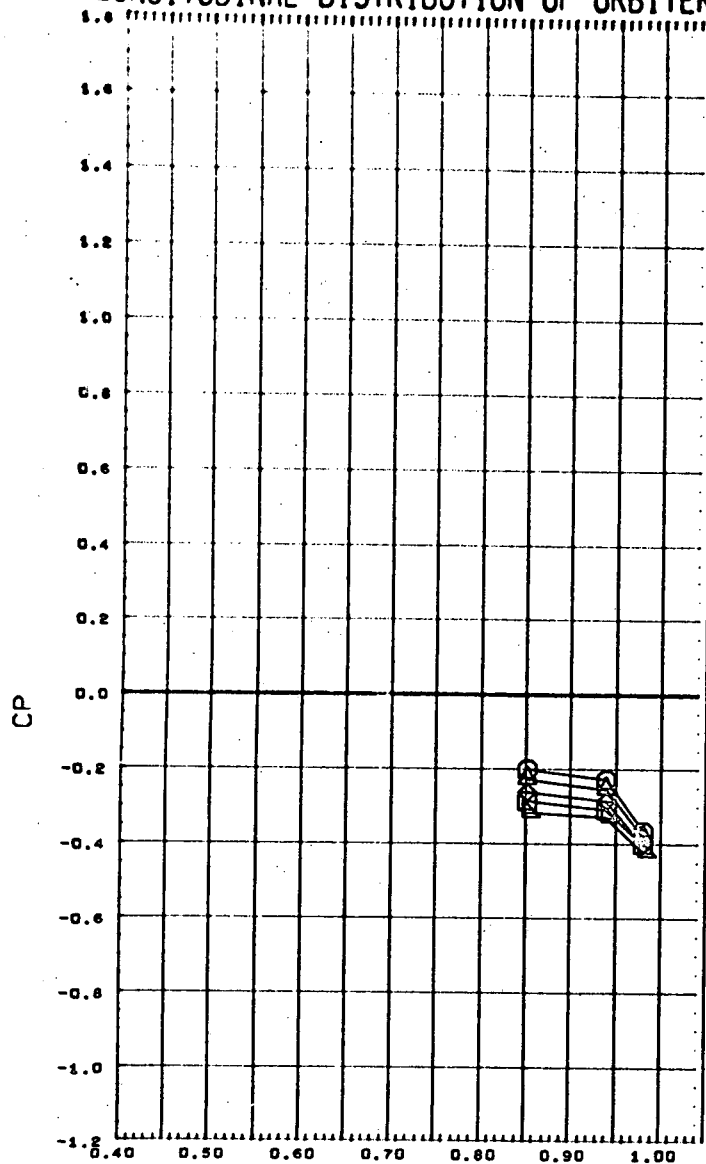


X/L			
SYMBOL	ALFB	Y/B	M1
◇	8.330	0.289	1.300
△	5.772	0.399	
◇	4.443		
◇	1.778		
◇	0.181		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

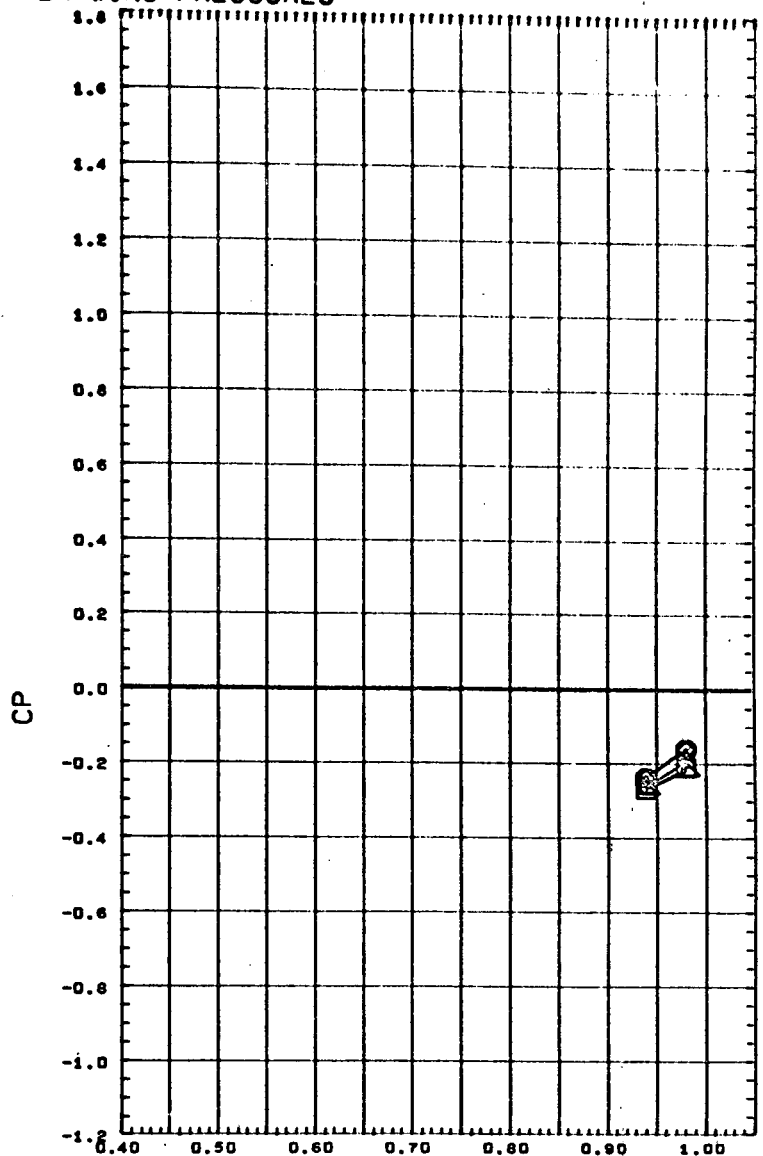
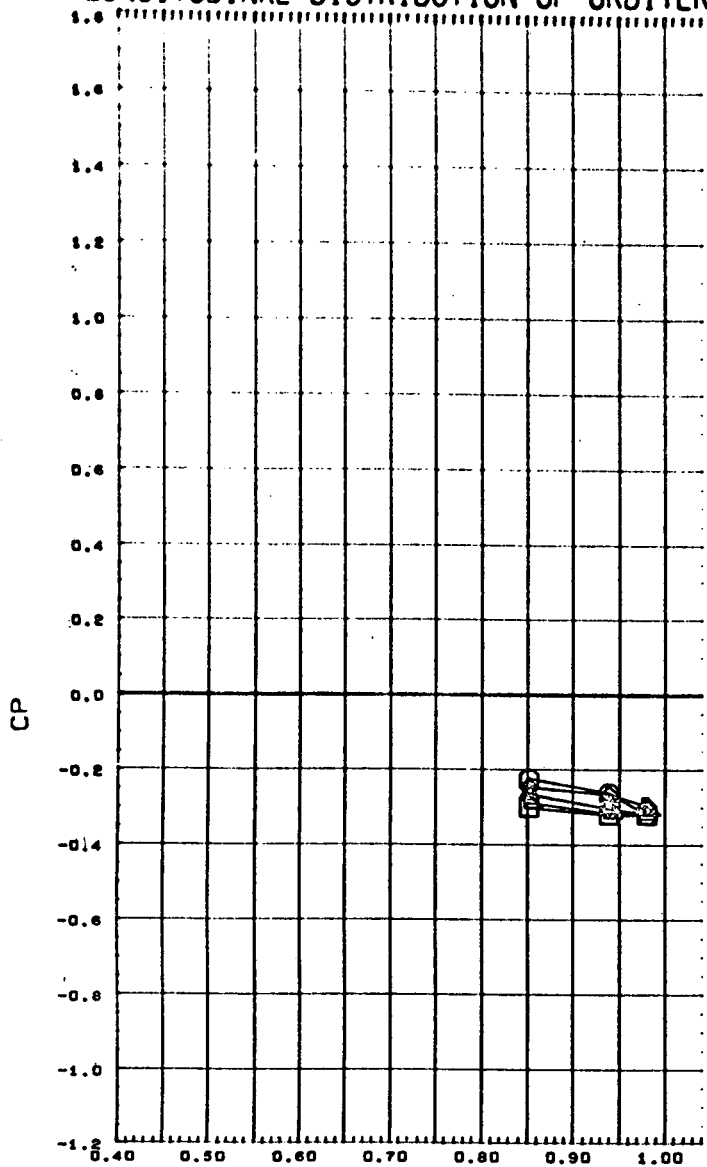


SYMBOL	ALFB	Y/B	M1
○	2.169	0.289	1.300
△	4.179	0.399	
◇	6.168		
□	8.177		
—	10.171		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	DX/L	
I	0.000	0.000	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

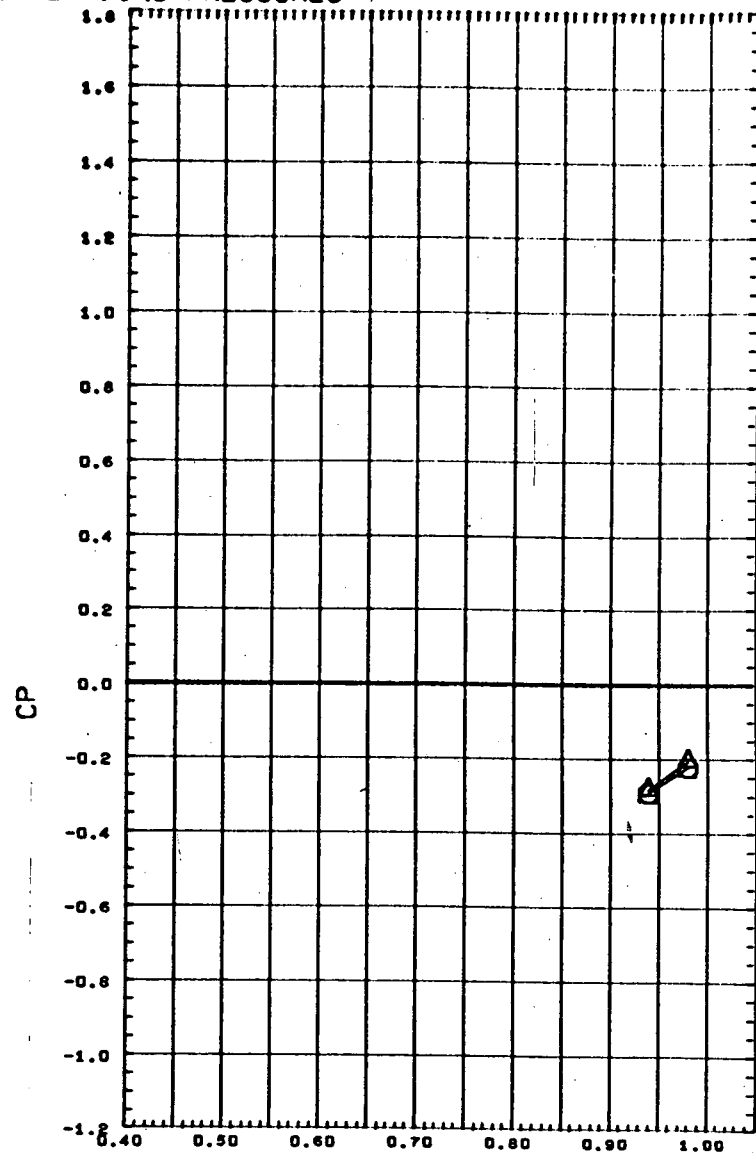
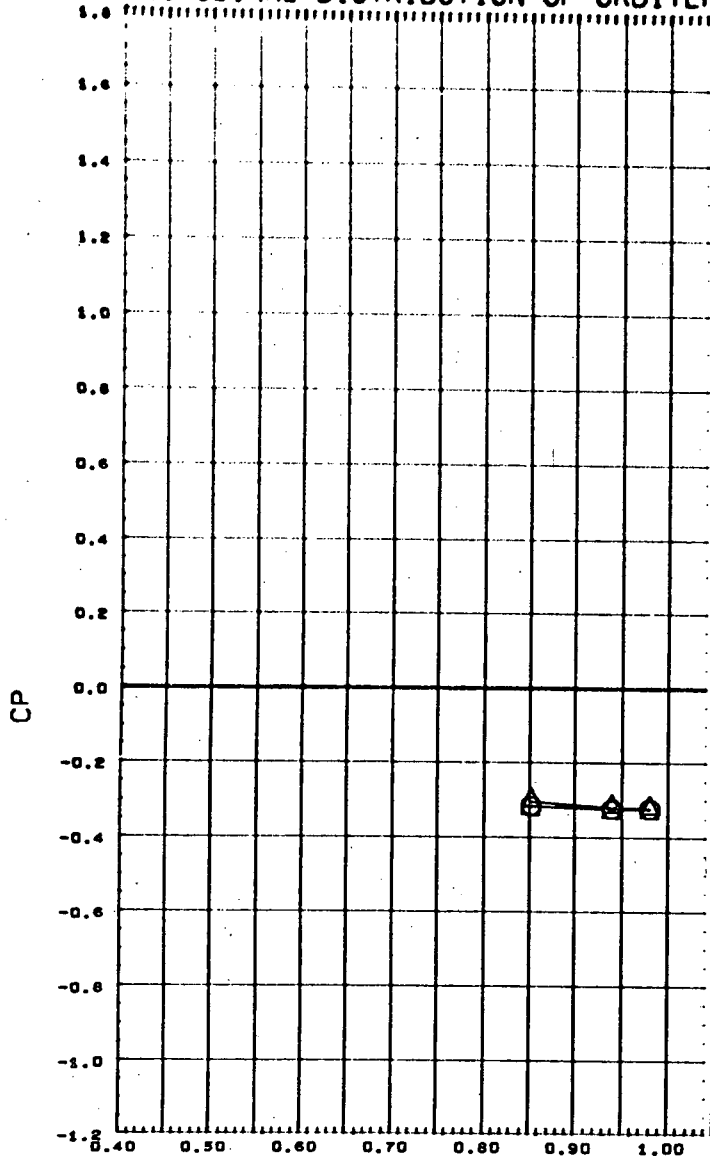


X/L			
SYMBOL	BETA	Y/B	M1
○	- 5.991	0.289	0.600
◇	- 4.085	0.399	
◻	- 2.108		
◻	- 0.293		
◻	1.955		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



	X/L		
SYMBOL	BETA	Y/B	M1
○	4.018	0.289	0.600
△	5.878	0.399	

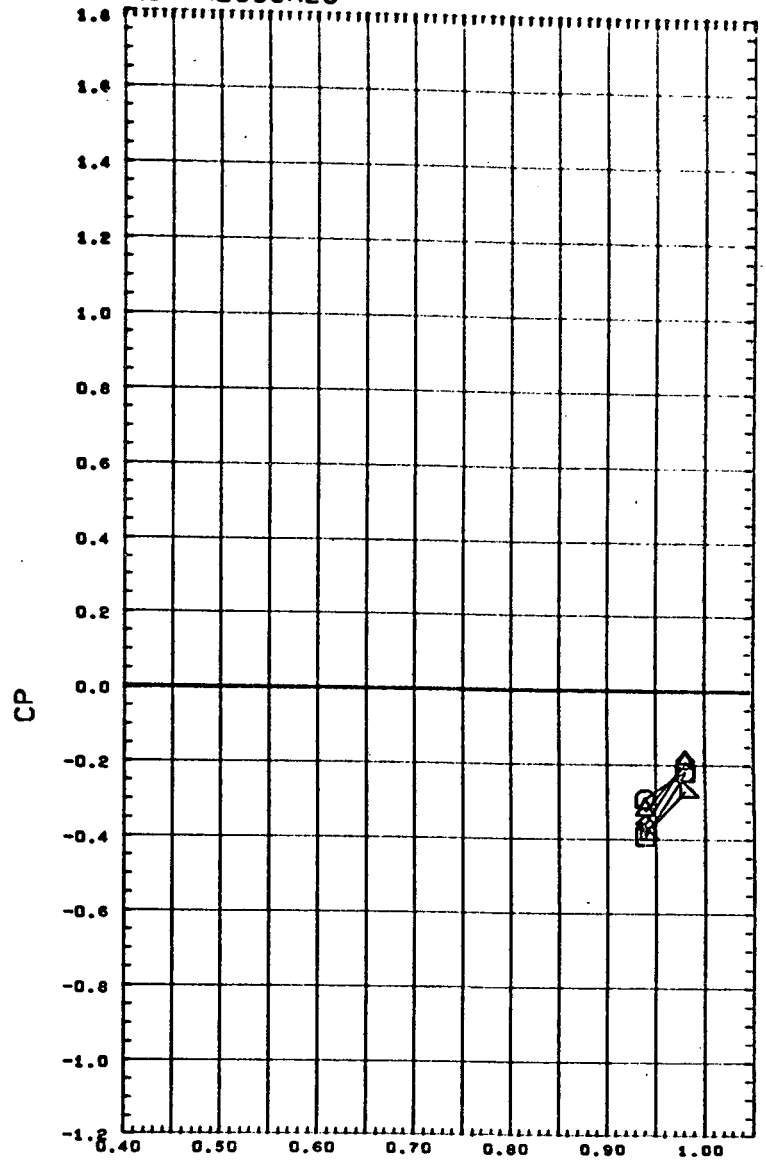
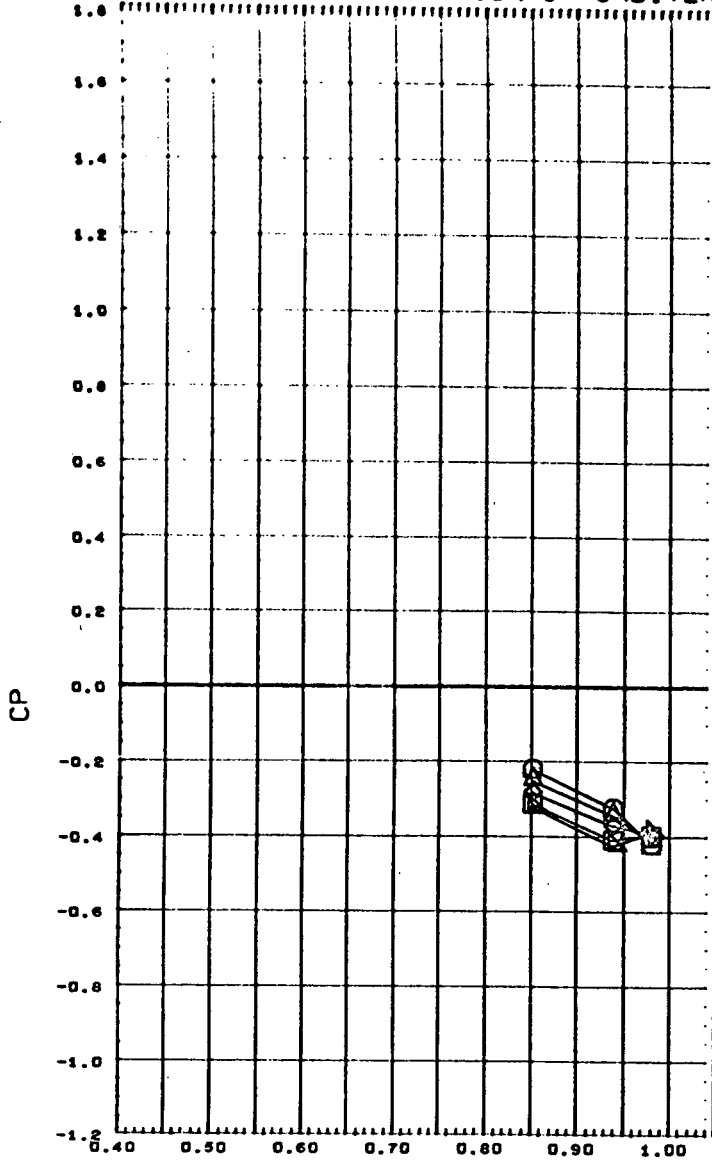
	X/L		PARAMETRIC VALUES
ALFB	0.000	DX/L	0.000
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

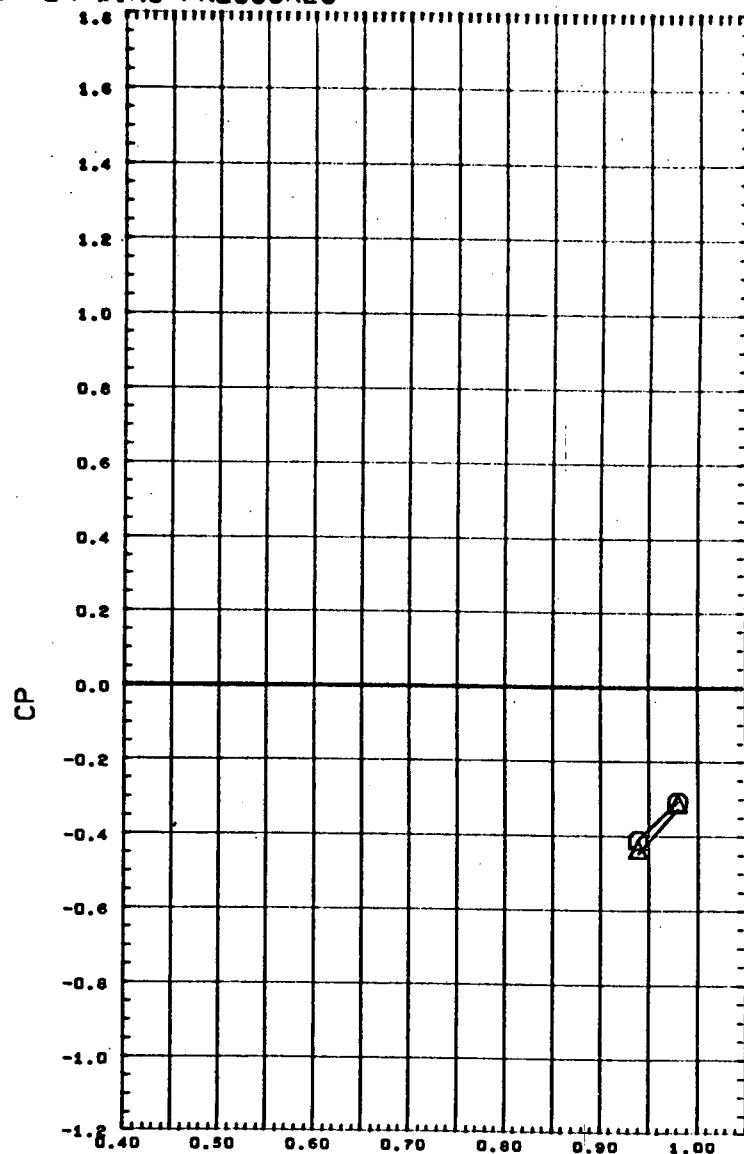
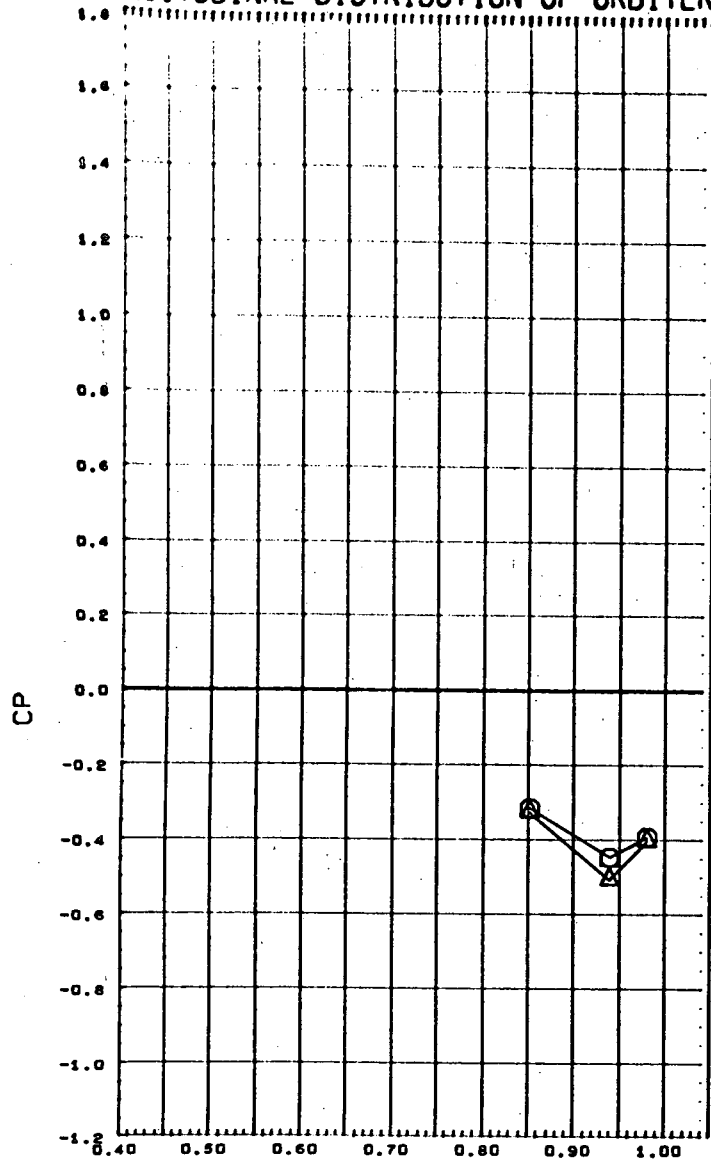


X/L			
SYMBOL	BETA	Y/B	M1
○	6.014	0.289	0.898
△	4.113	0.399	
◇	2.146		
□	0.287		
■	2.007		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.094	0.289	0.898
△	5.964	0.399	

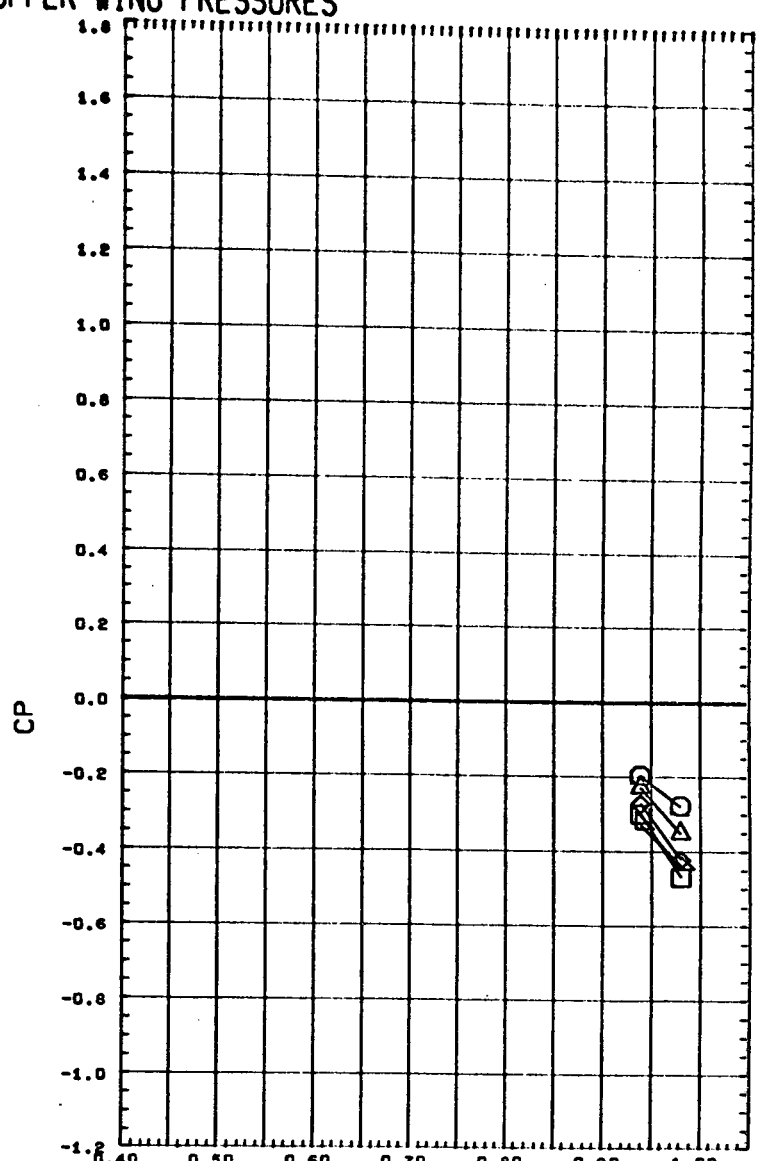
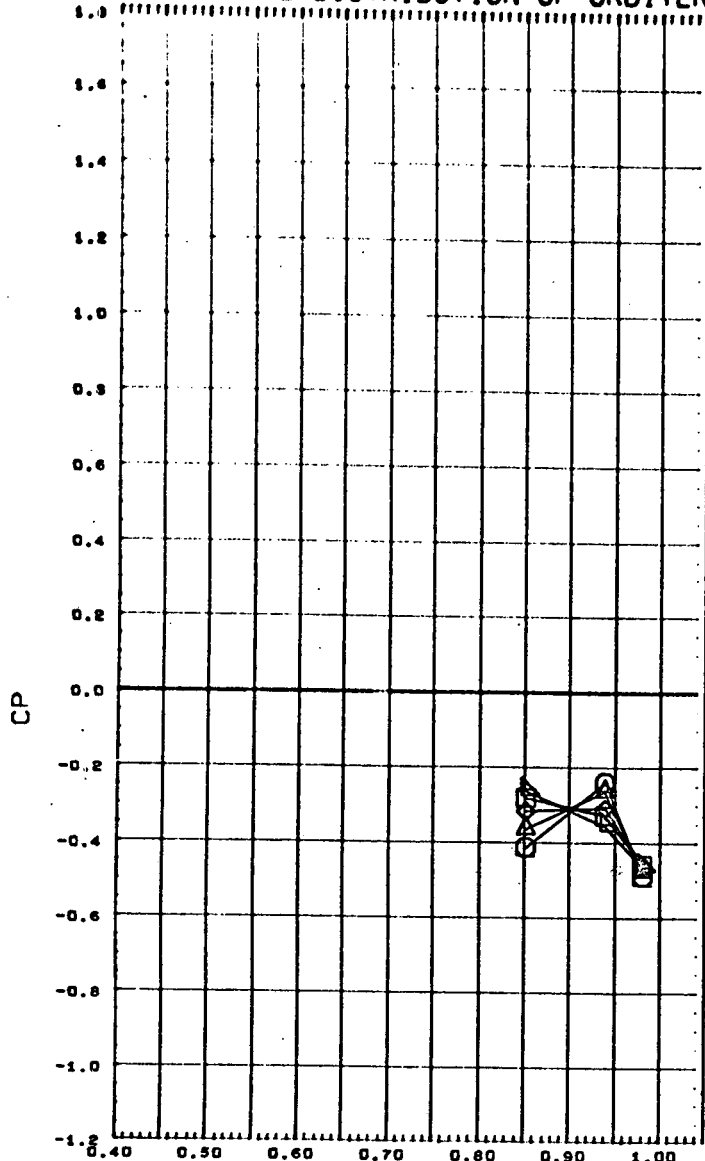
PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

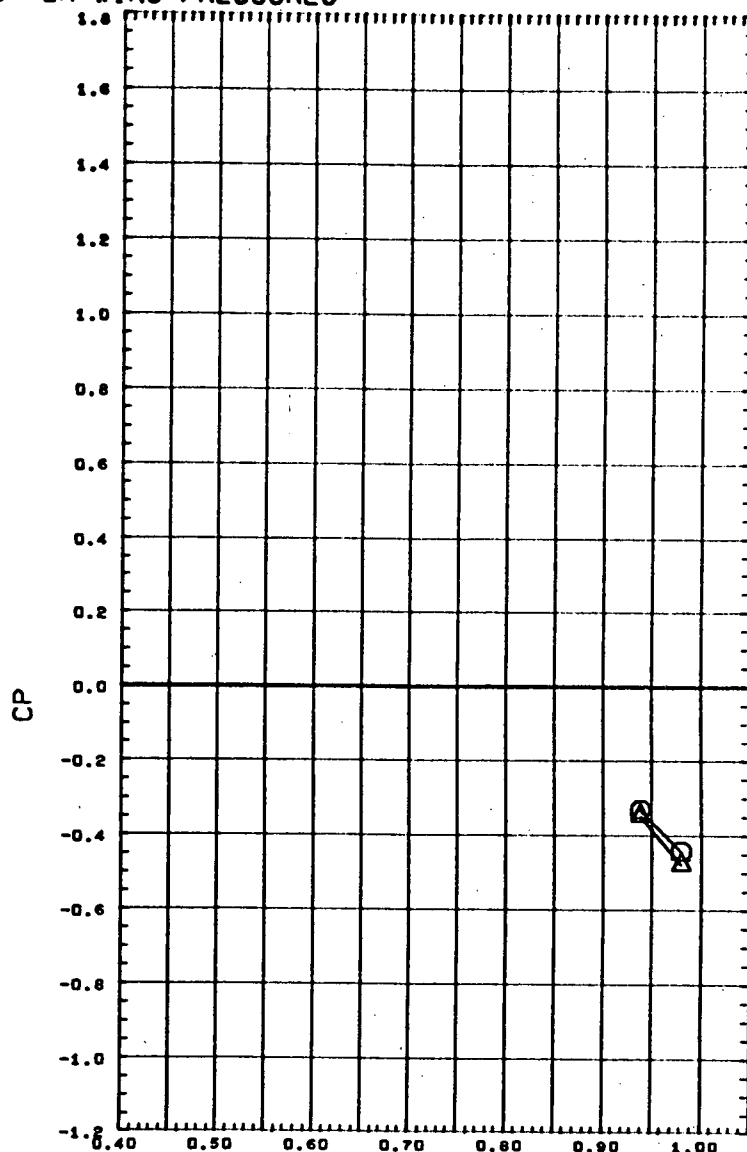
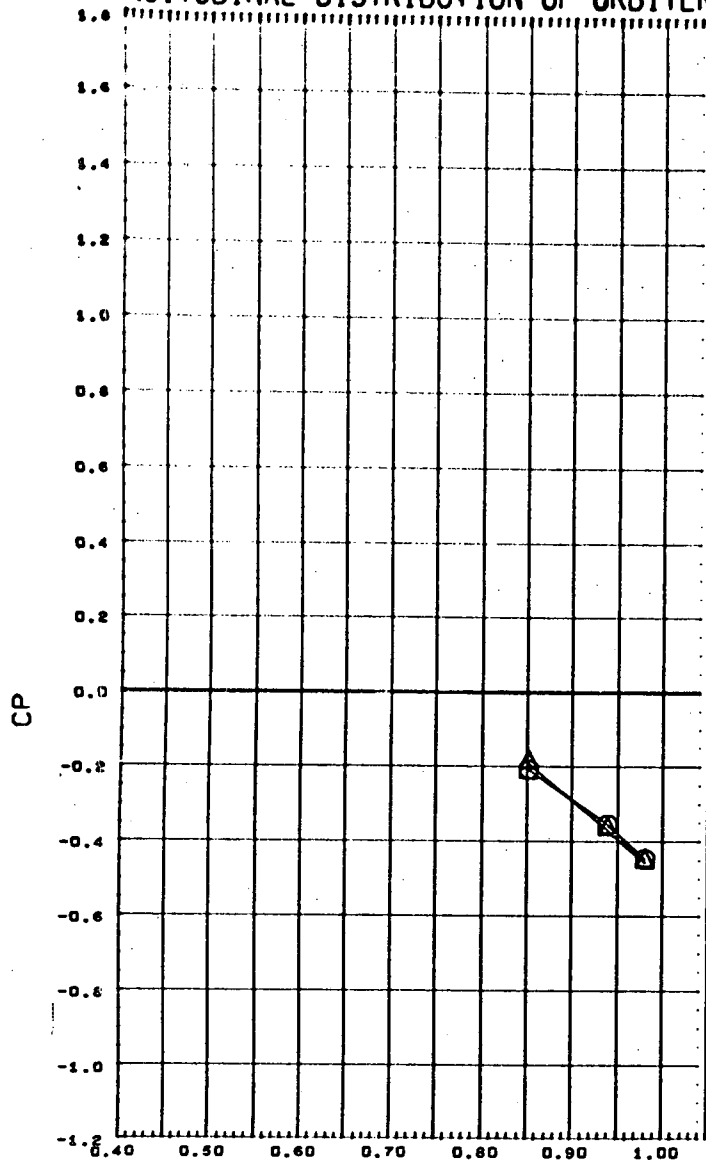
SYMBOL	BETA	Y/B	M1
○	6.082	0.289	1.010
△	4.150	0.399	
◇	2.153		
□	0.281		
○	2.037		

REFERENCE FILE

X/L

PARAMETRIC VALUES		
ALFB	0.000	0.000
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
Δ	4.071	0.289	1.010
\square	6.041	0.399	

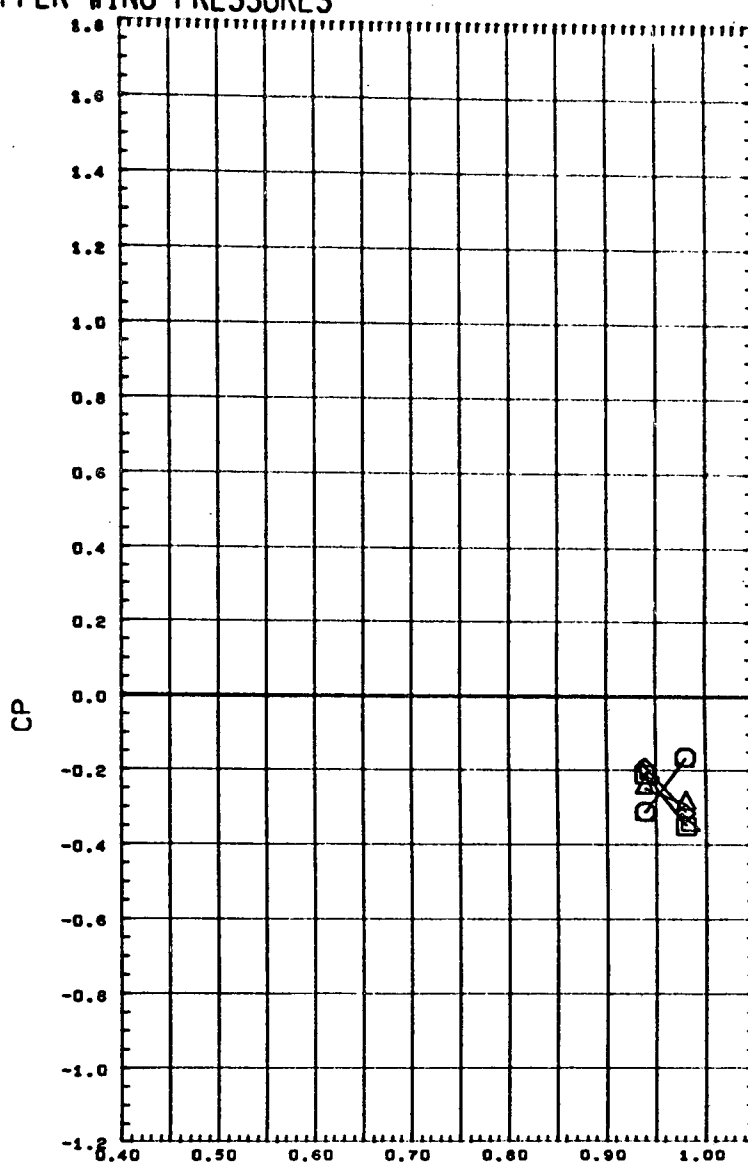
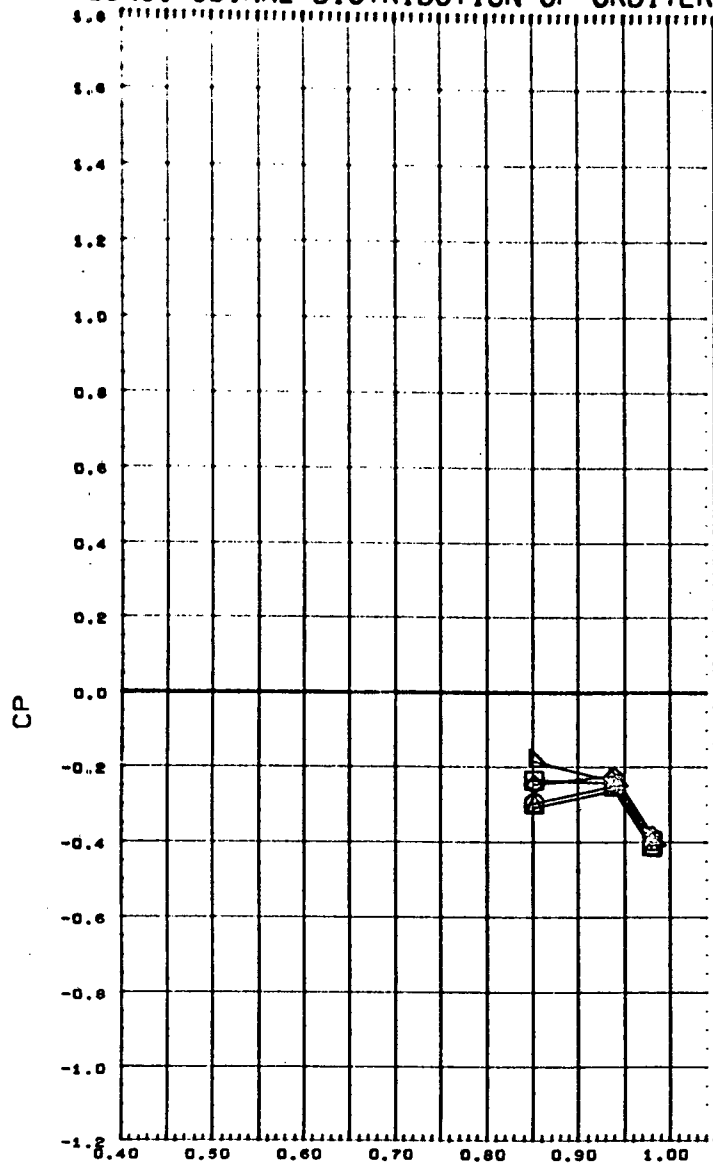
PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

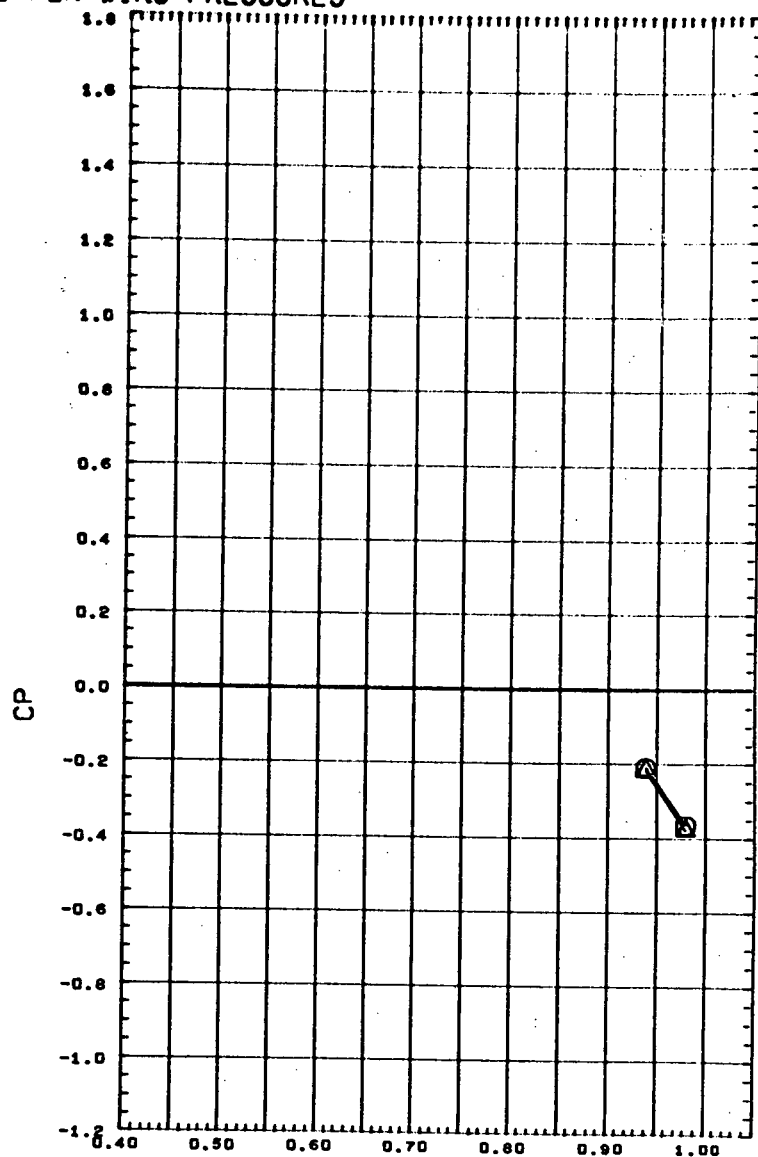
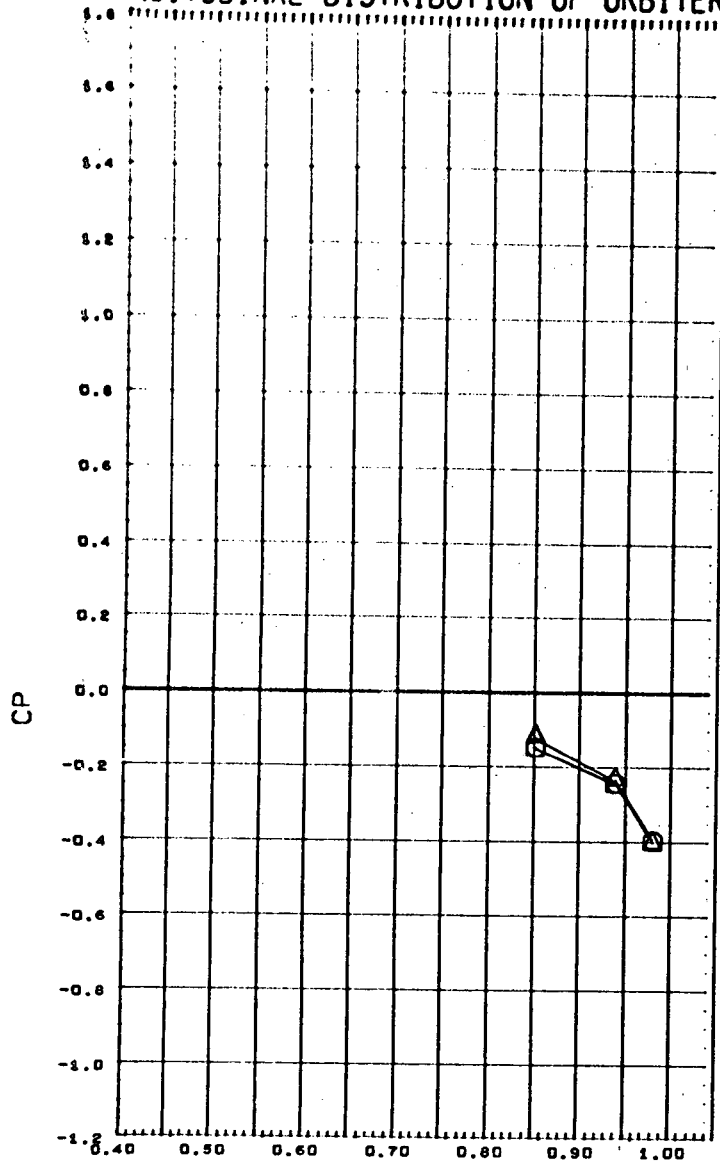


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.306	0.289	1.101
△	- 4.084	0.399	
◇	- 2.015		
□	- 0.247		
▽	1.831		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	OX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.293	0.289	1.101
△	6.209	0.399	

PARAMETRIC VALUES		
ALFB	0.000	OX/L
I	0.000	0.000

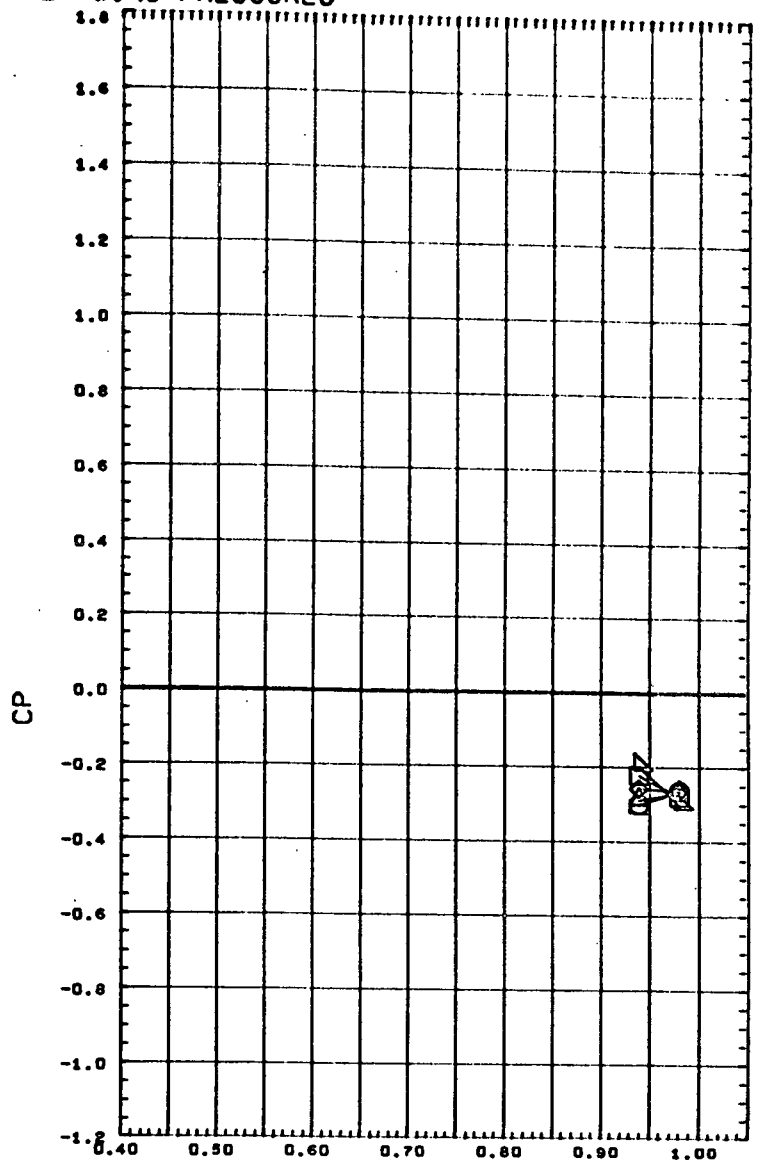
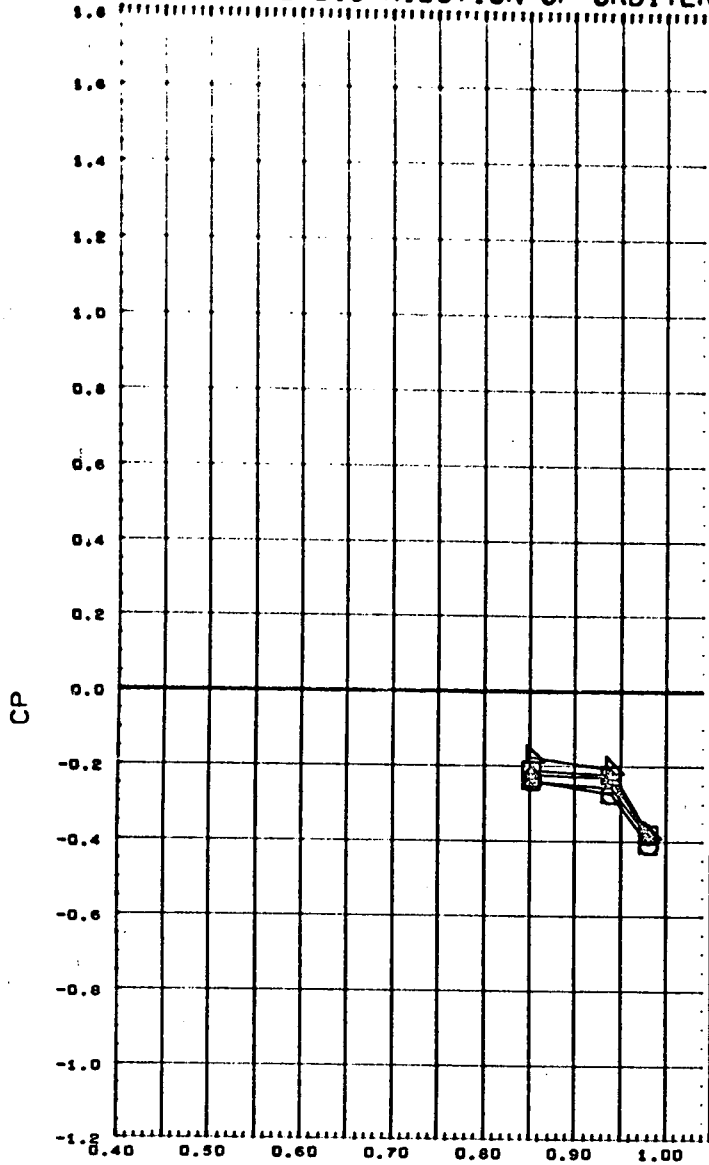
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AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

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1

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



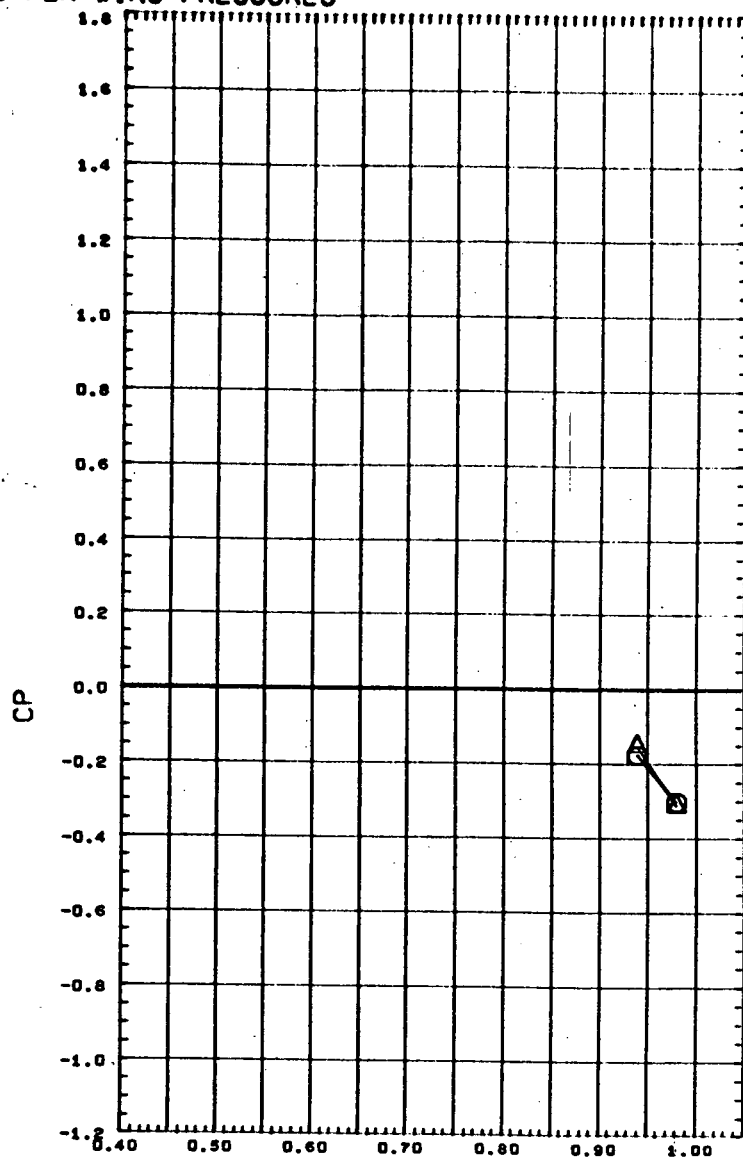
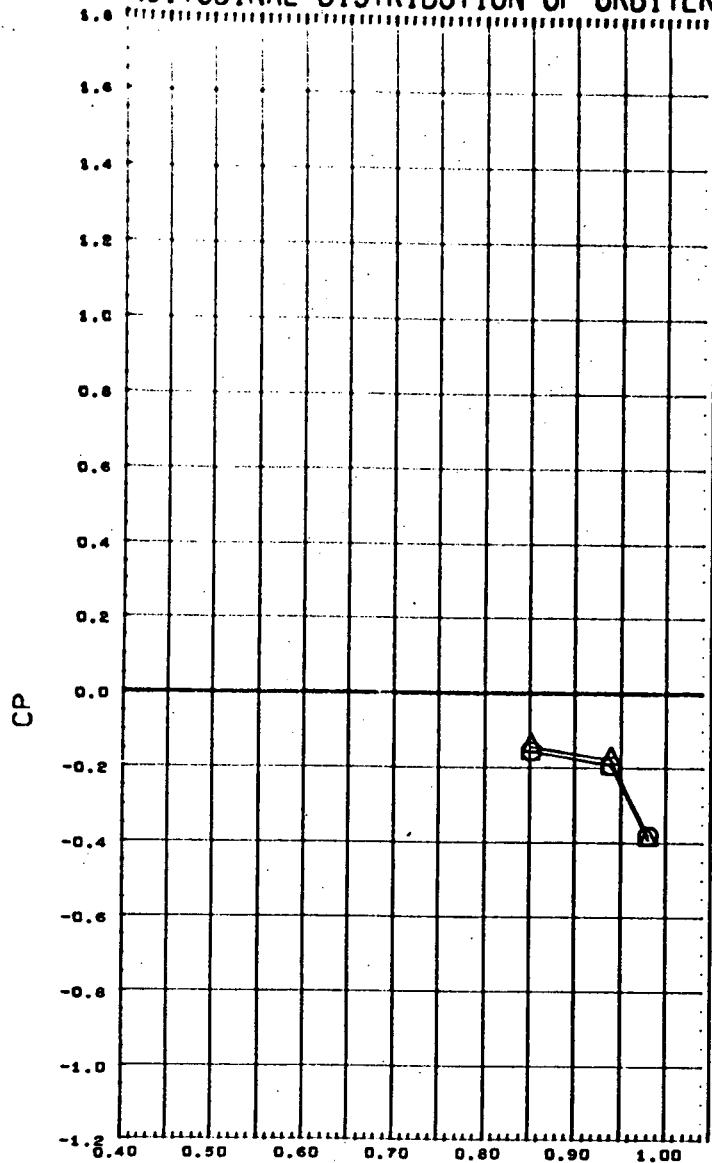
X/L			
SYMBOL	BETA	Y/B	M1
○	6.196	0.289	1.201
△	4.116	0.399	
◇	2.016		
□	0.241		
■	2.057		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALFB	0.000	OX/L 0.000
I	0.000	

X

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL 	BETA	Y/B	M1
	3.912	0.289	1.201
	5.999	0.399	

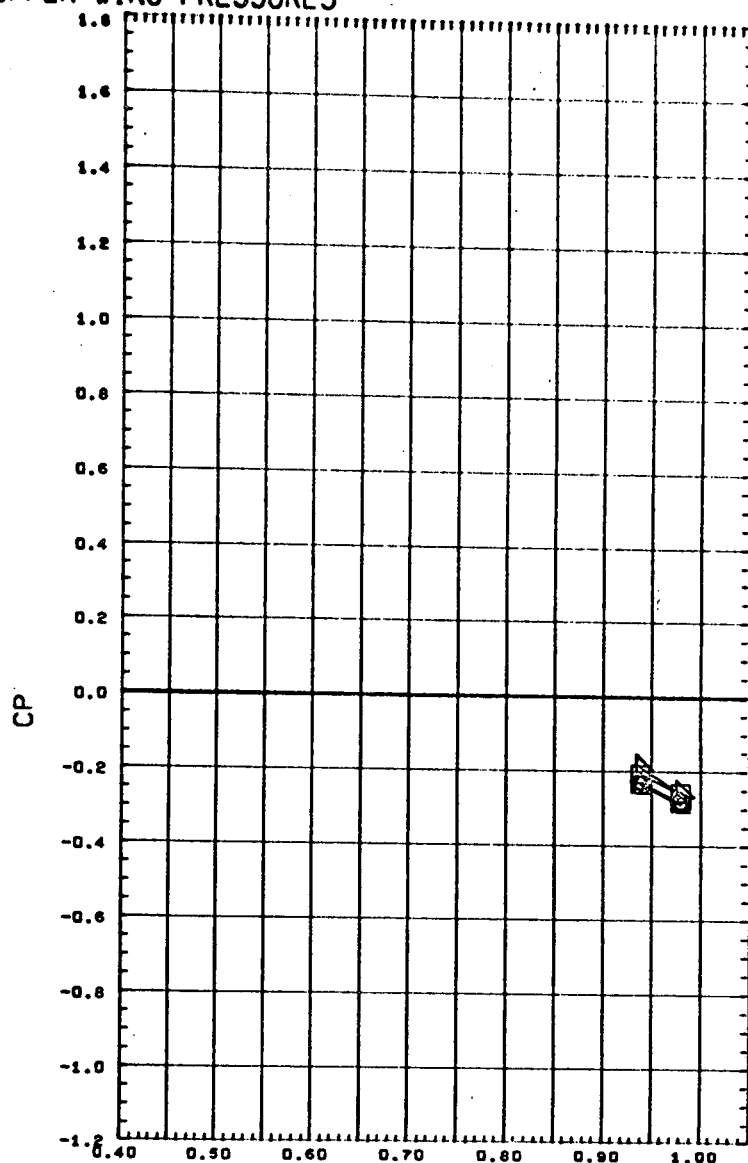
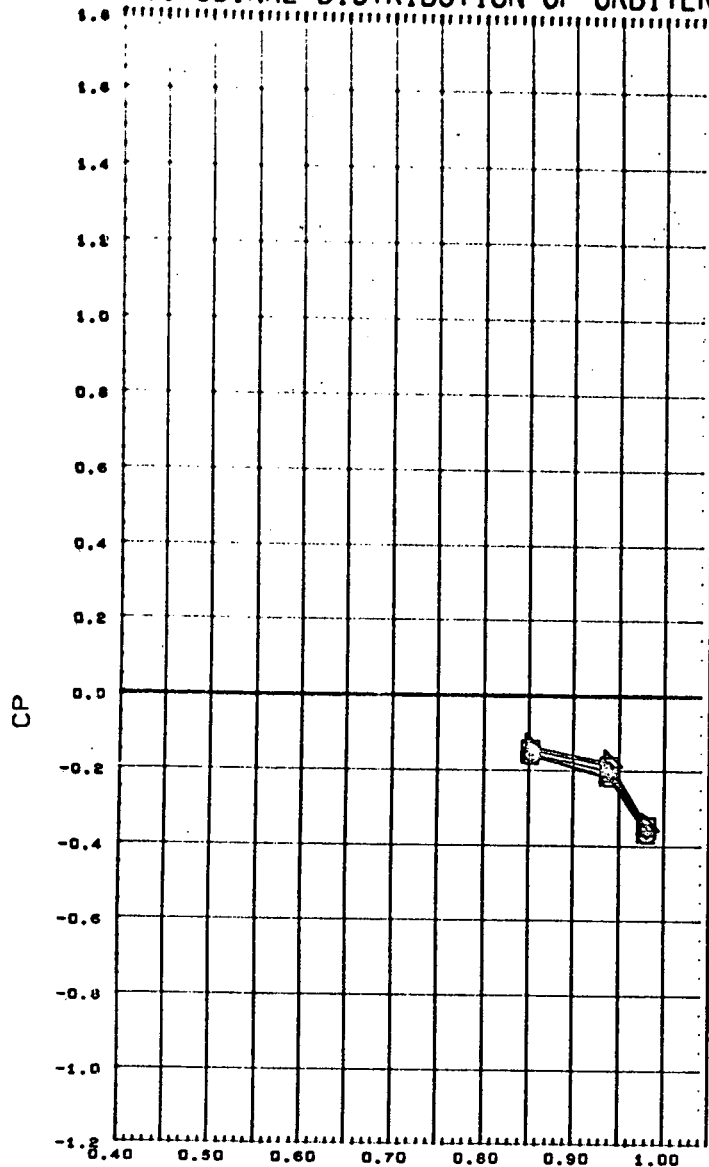
	X/L	
	PARAMETRIC VALUES	
ALFB	0.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

PAGE 355

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

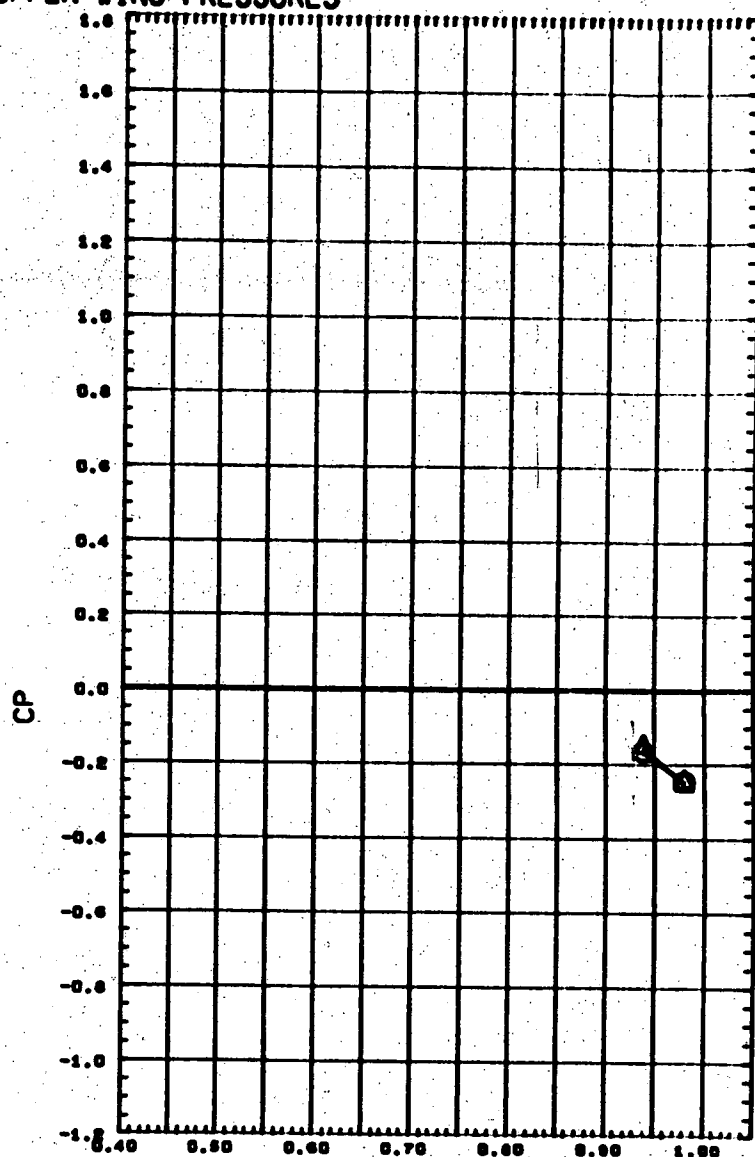
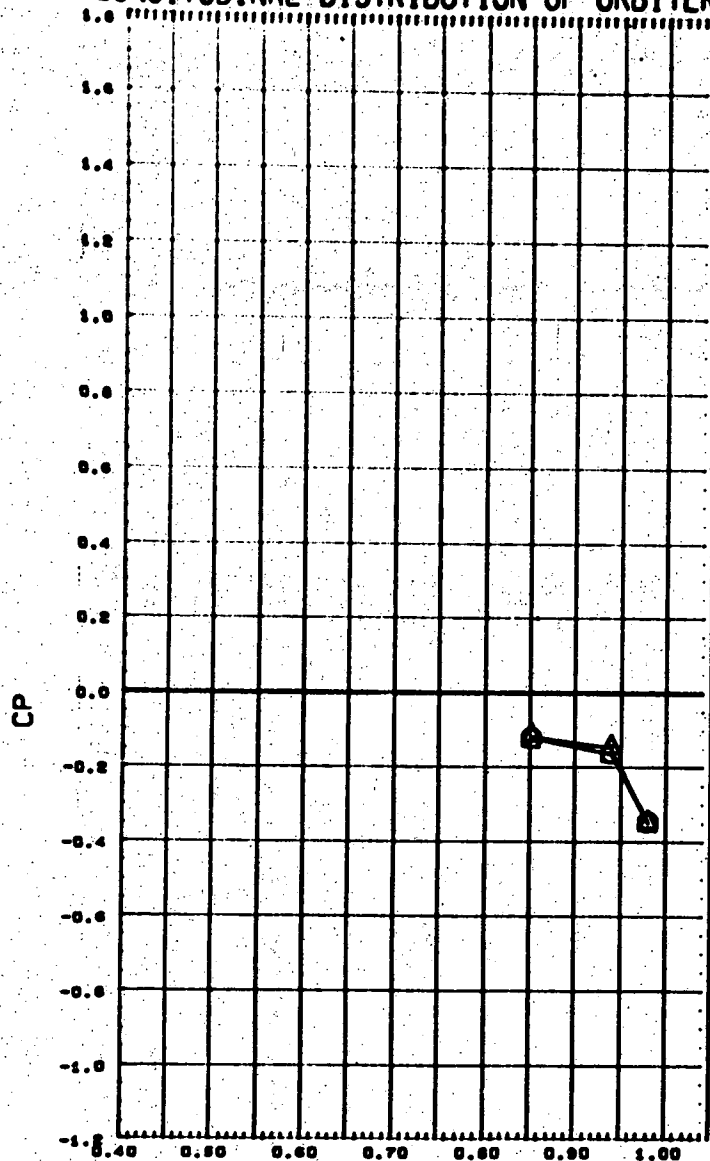


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.203	0.289	1.302
△	- 4.105	0.399	
◇	- 2.025		
□	- 0.252		
▽	1.830		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	OX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	X/L	M1
8	3.000	0.269	0.85	1.302
	5.004	0.399		

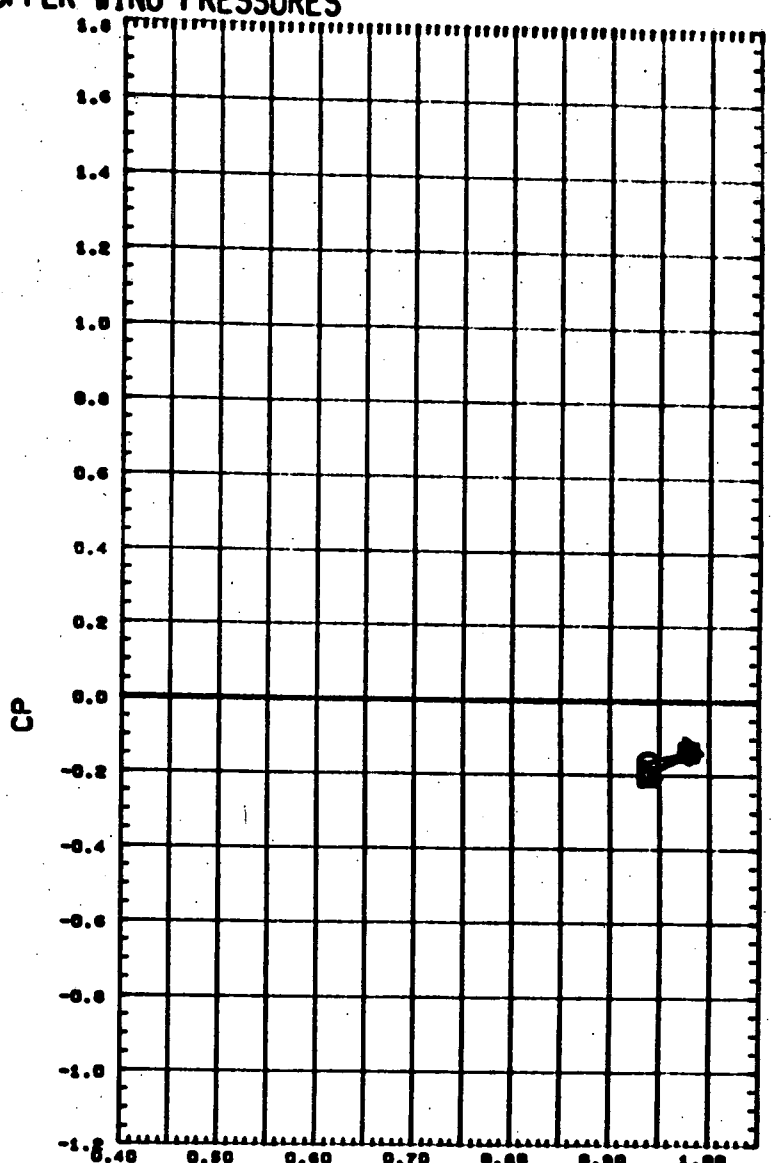
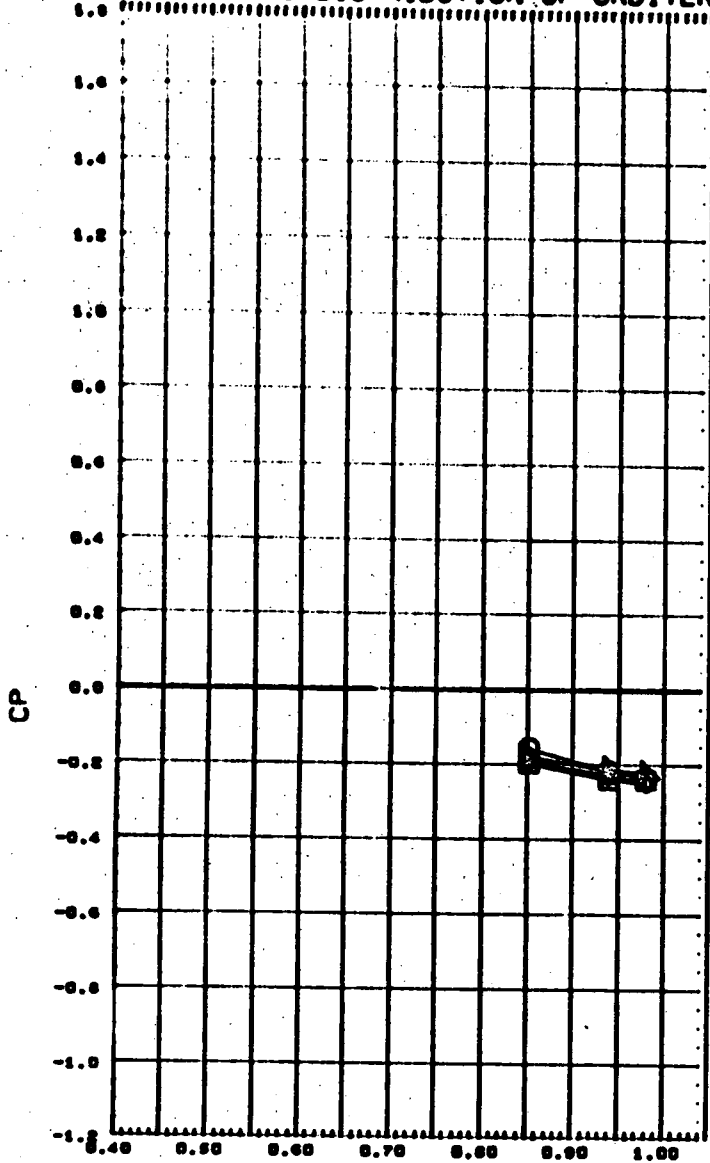
ALPS	PARAMETRIC VALUES	DX/L	0.000
I	0.000	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC002)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

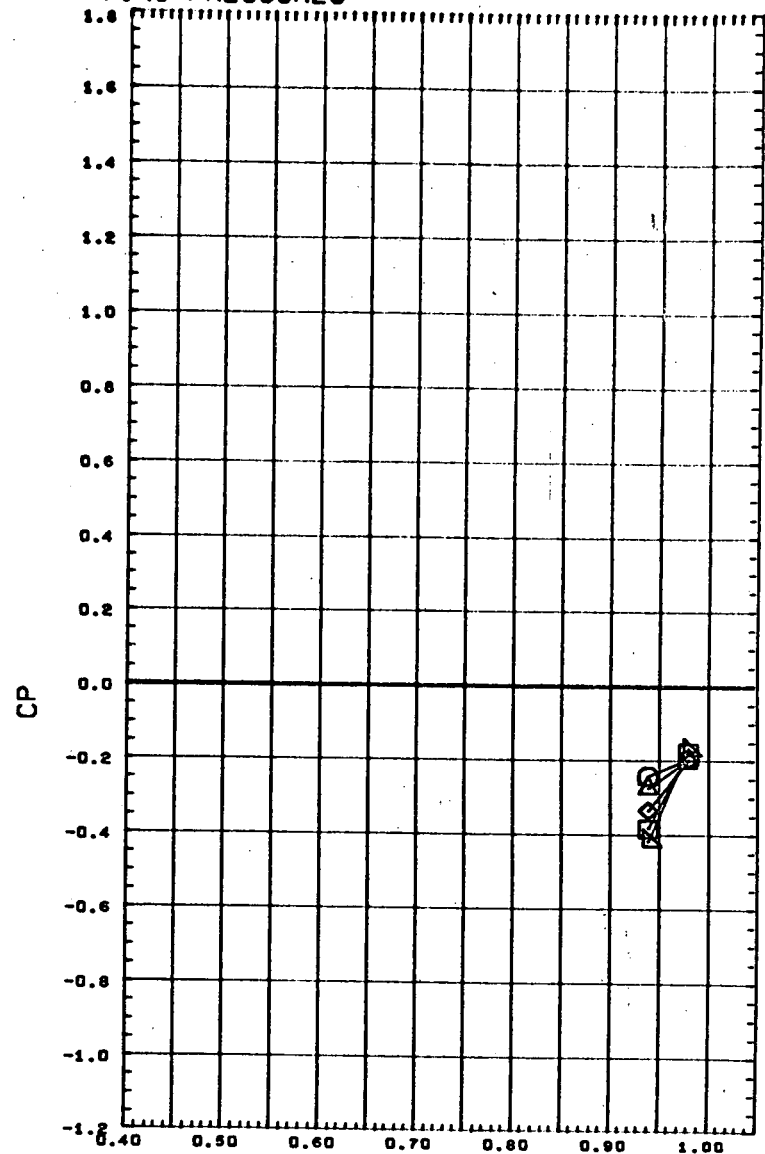
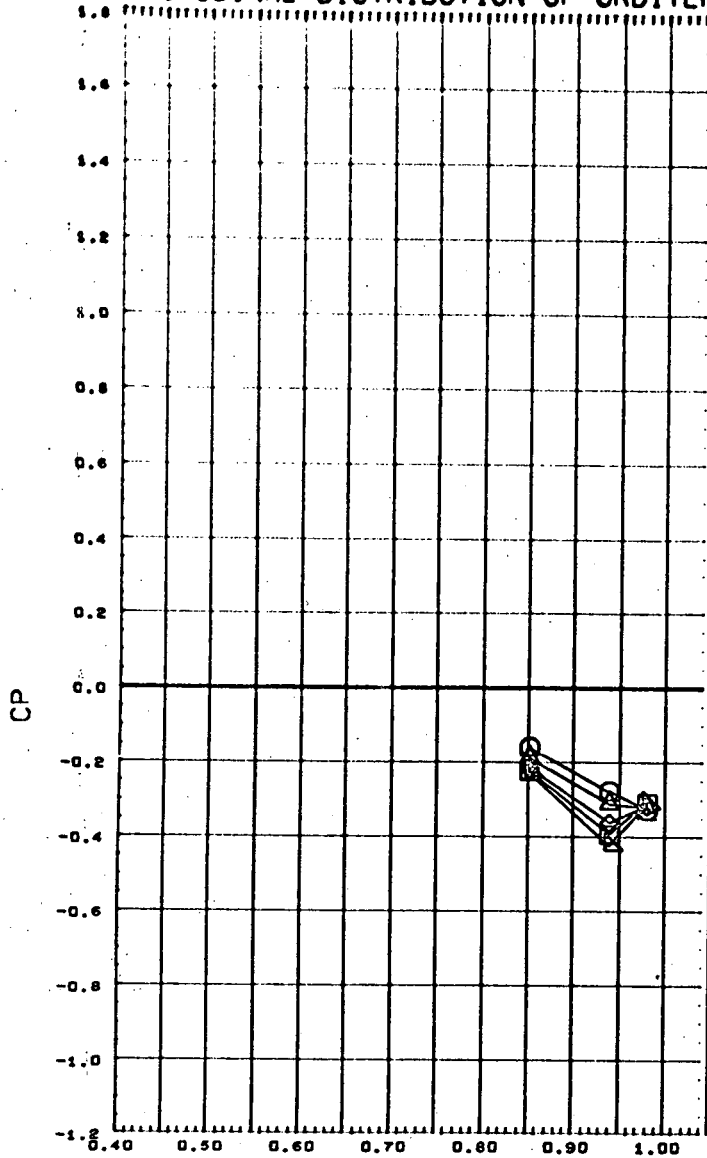


SYMBOL	BETA	Y/B	X/L
□	3.904	0.289	0.999
□	1.903	0.399	
□	0.013		
□	1.998		
□	3.995		

REFERENCE FILE

PARAMETRIC VALUES		
ALPB	- 0.000	0.000
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

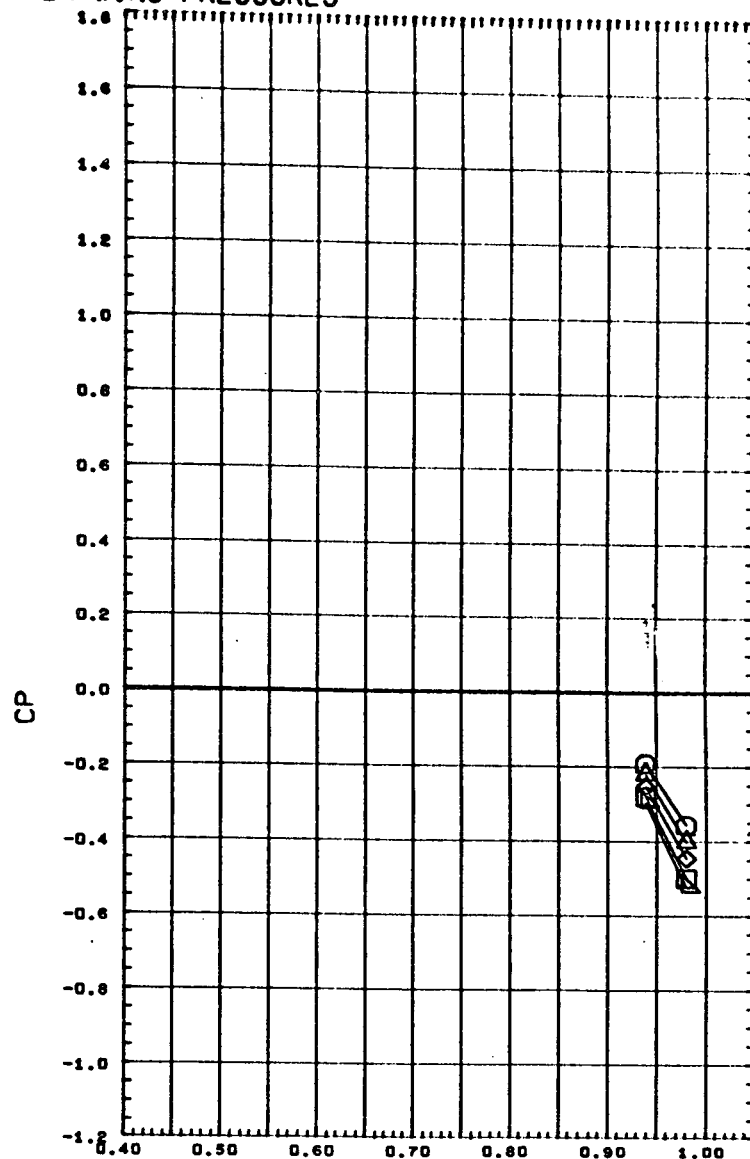
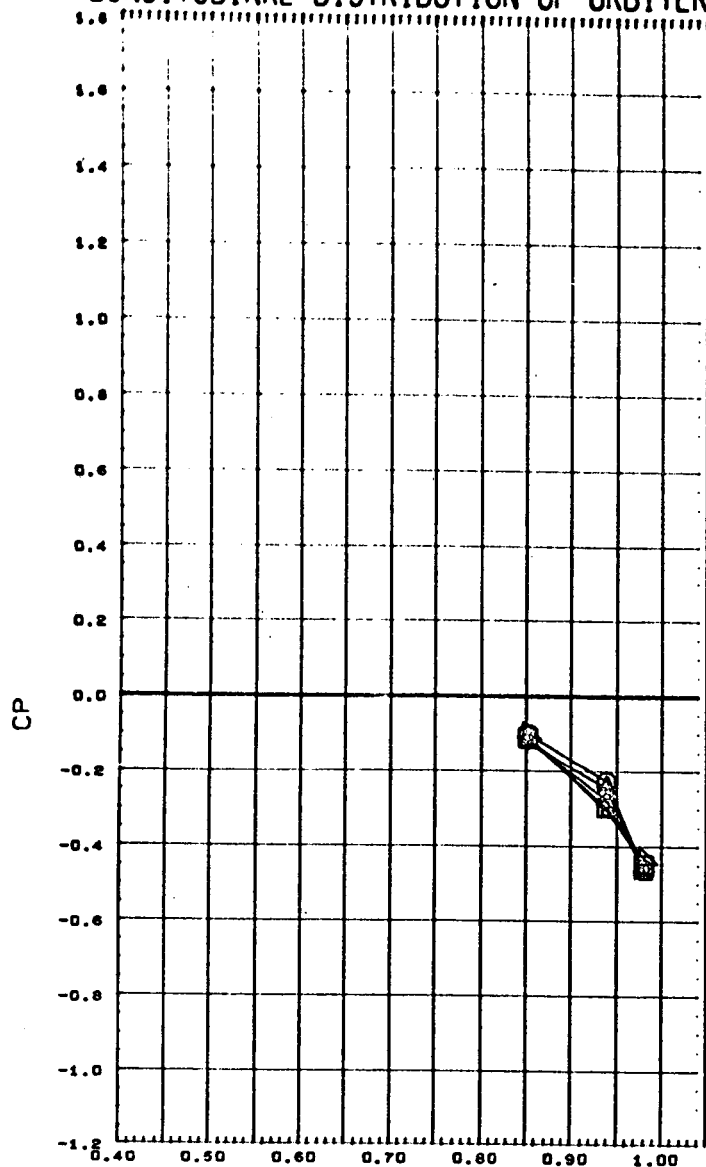


X/L			
SYMBOL	BETA	Y/B	M1
○	3.957	0.289	0.900
△	1.918	0.399	
◇	0.152		
□	2.081		
▽	4.094		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

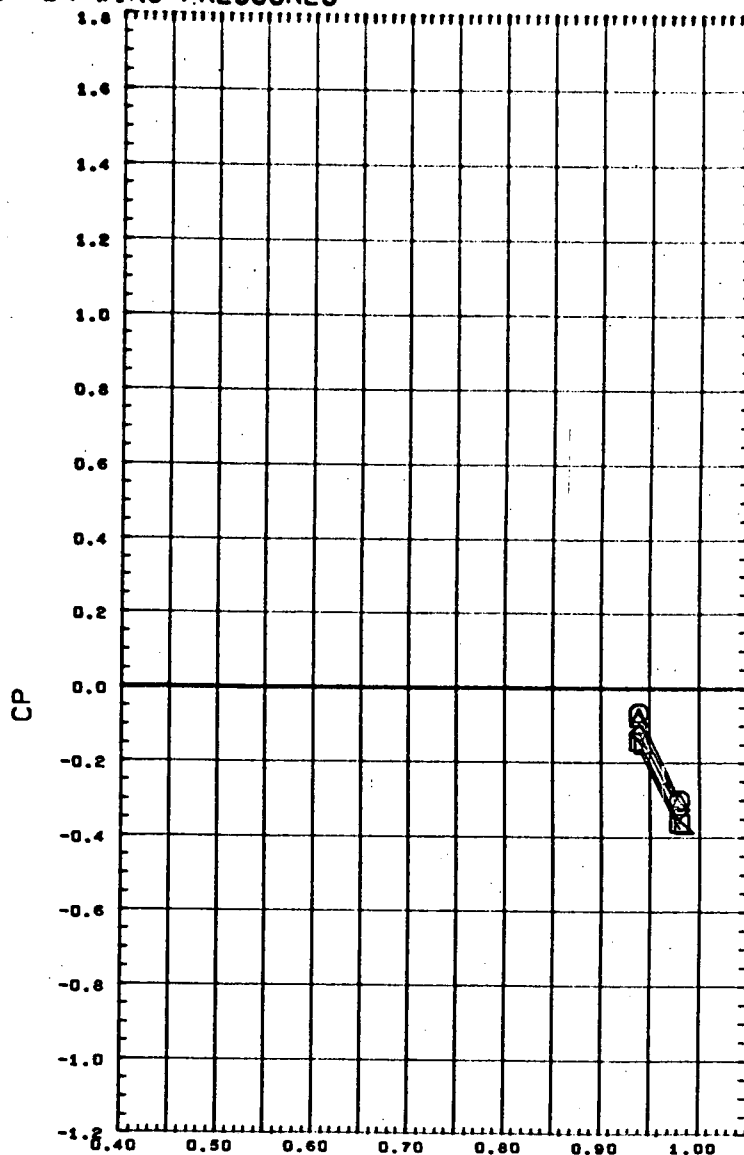
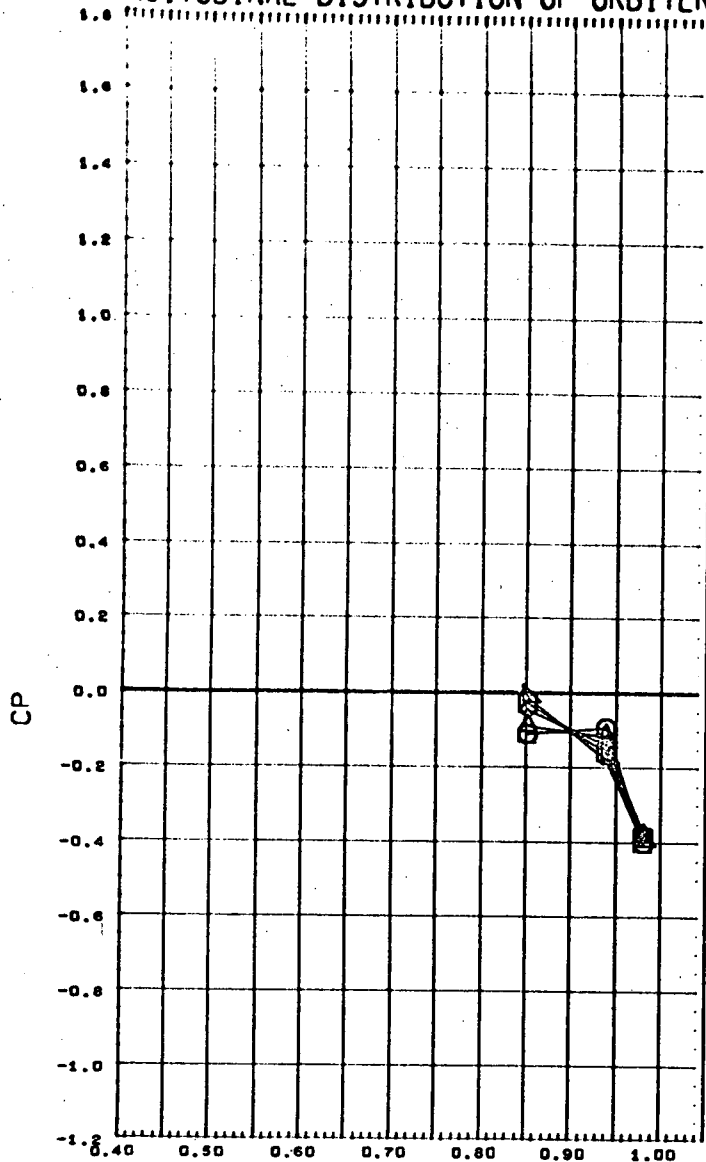


X/L			
SYMBOL	BETA	Y/B	M1
○	- 4.189	0.289	0.999
△	- 1.899	0.399	
◇	0.003		
□	2.143		
▽	4.116		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.154	0.289	1.100
△	2.119	0.399	
◇	0.035		
□	2.286		
▤	4.304		

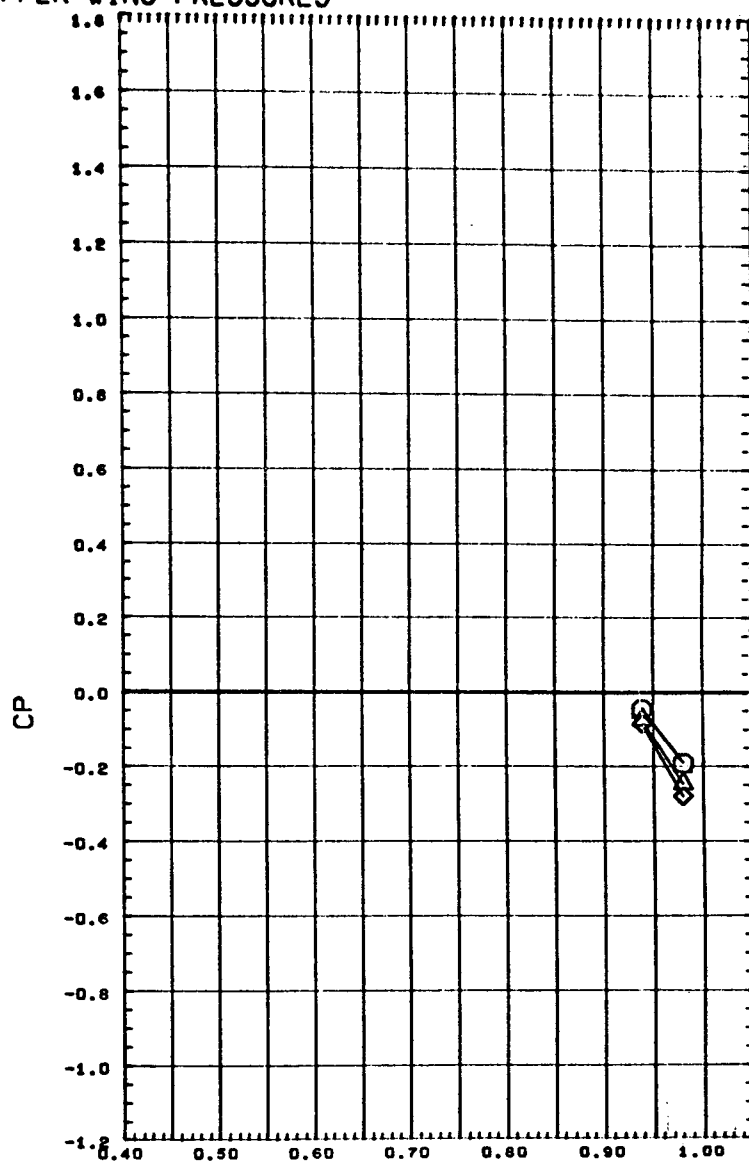
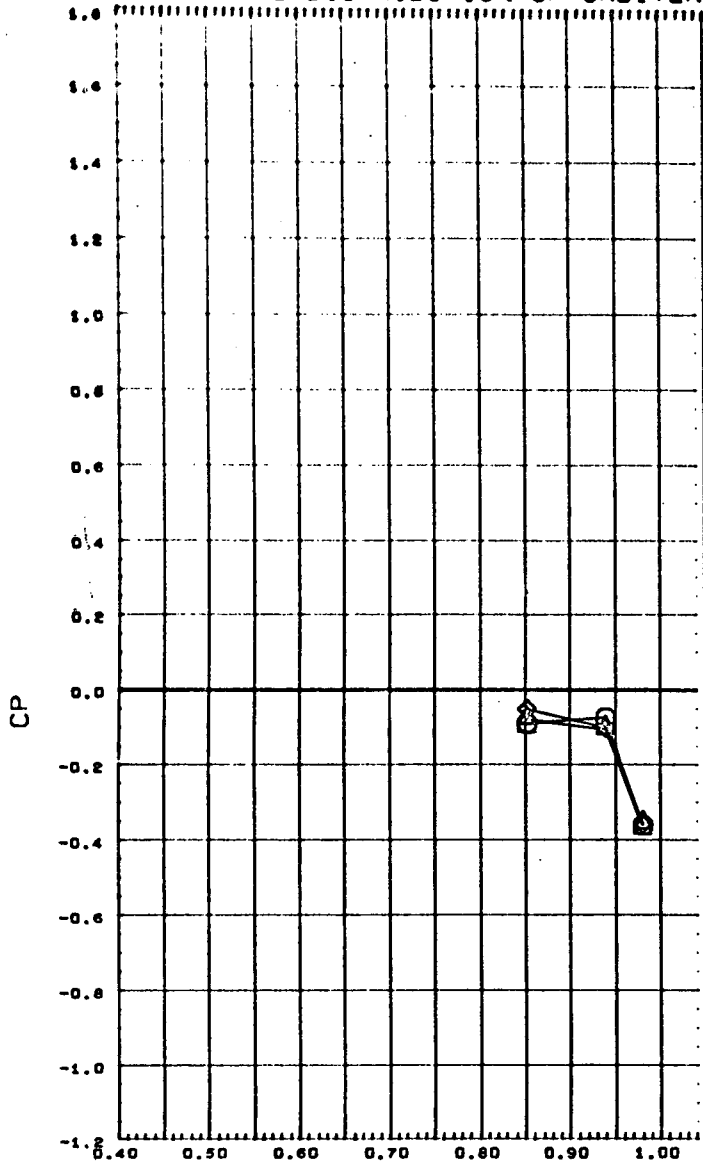
REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.000
I	0.000		

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC003)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.187	0.289	1.201
△	0.069	0.399	
◇	4.363		

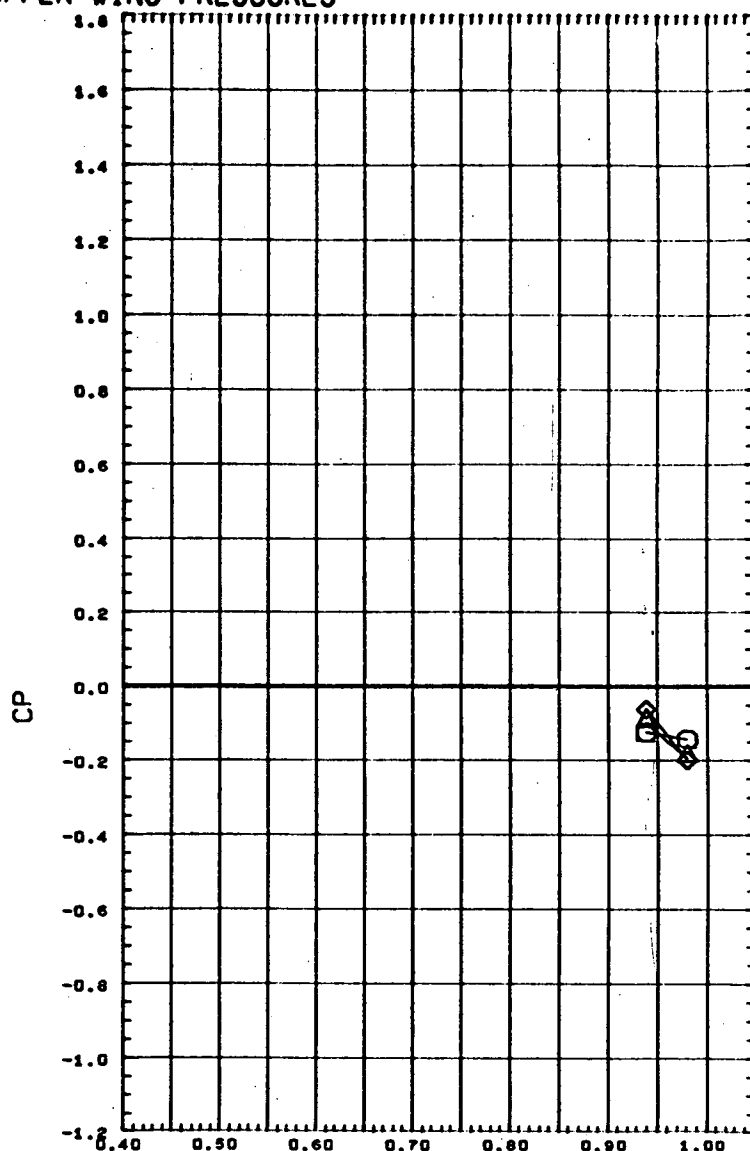
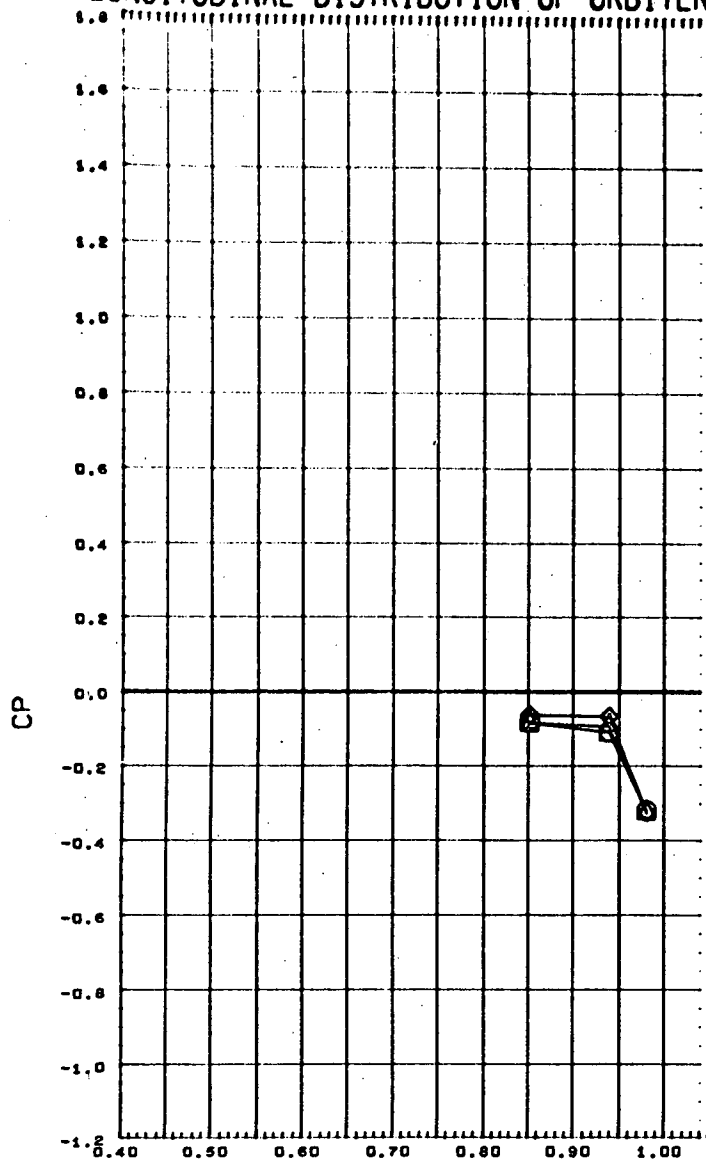
X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	OX/L	0.000
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC003)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.197	0.289	1.300
△	0.065	0.399	
◇	4.355		

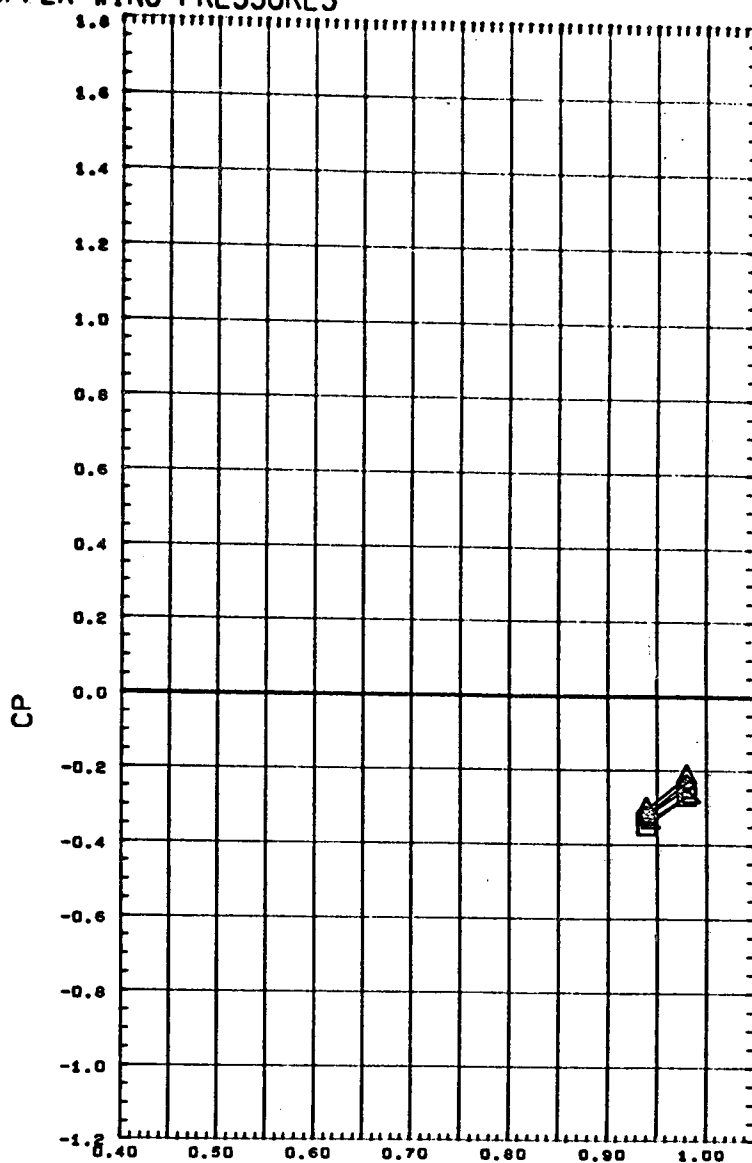
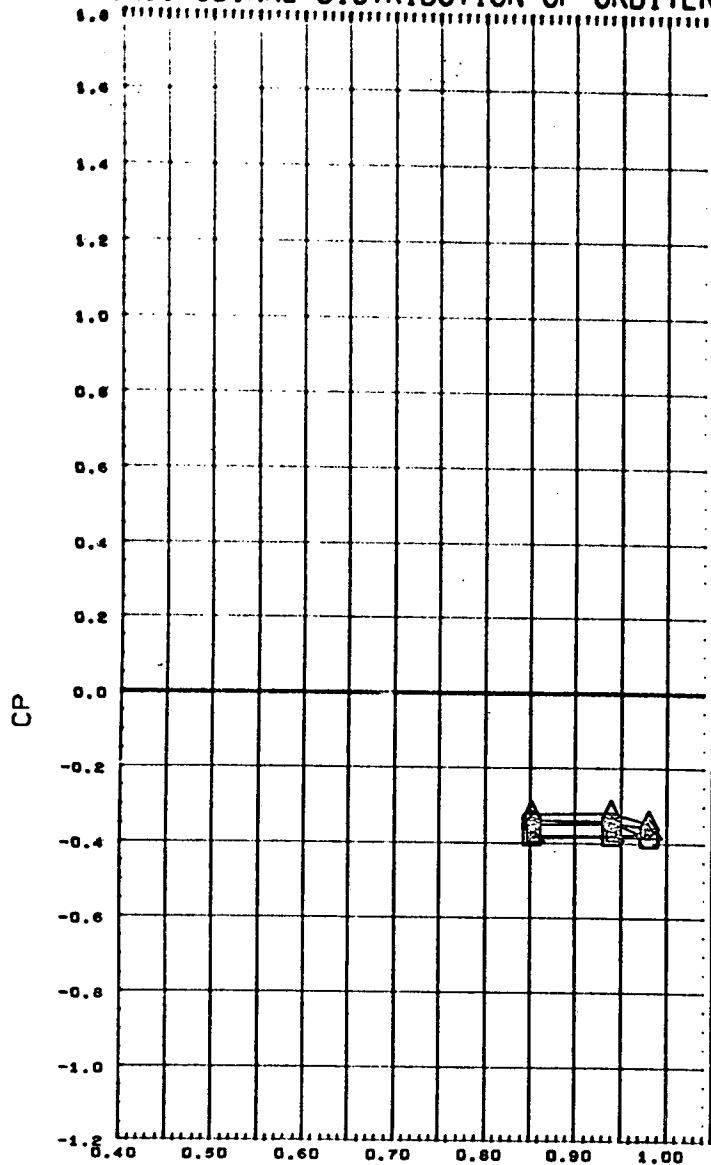
X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.000
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC003)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

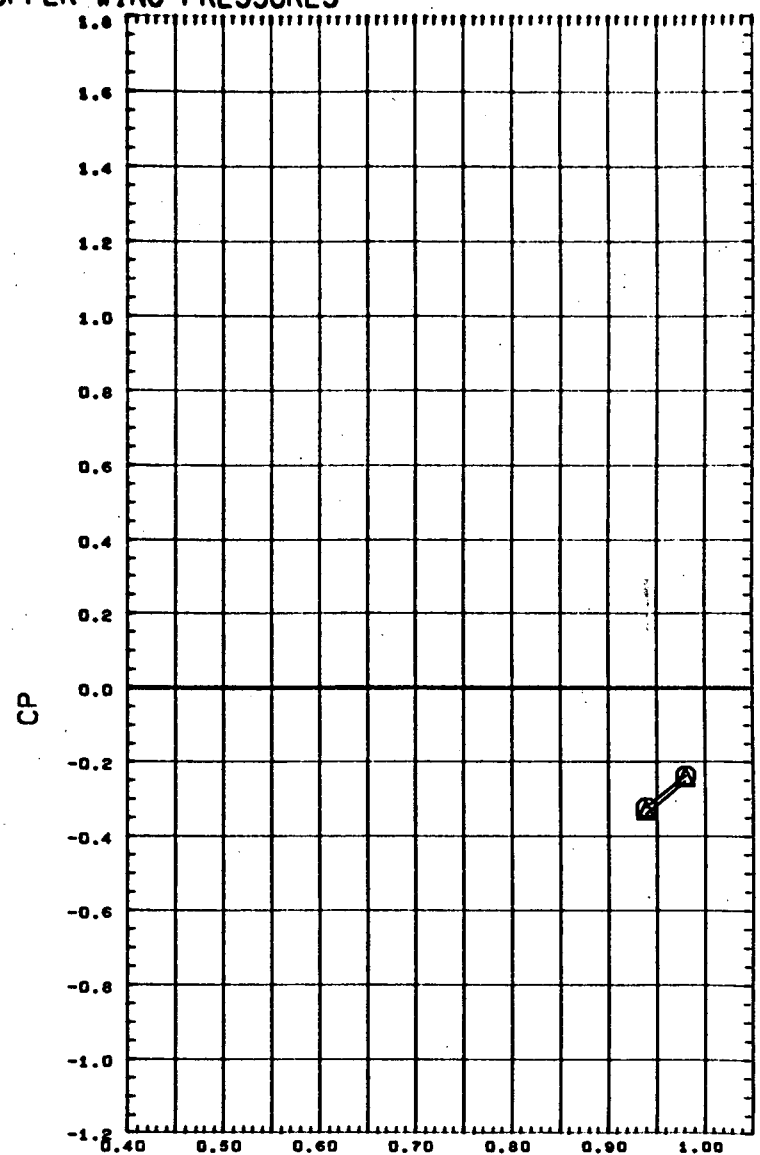
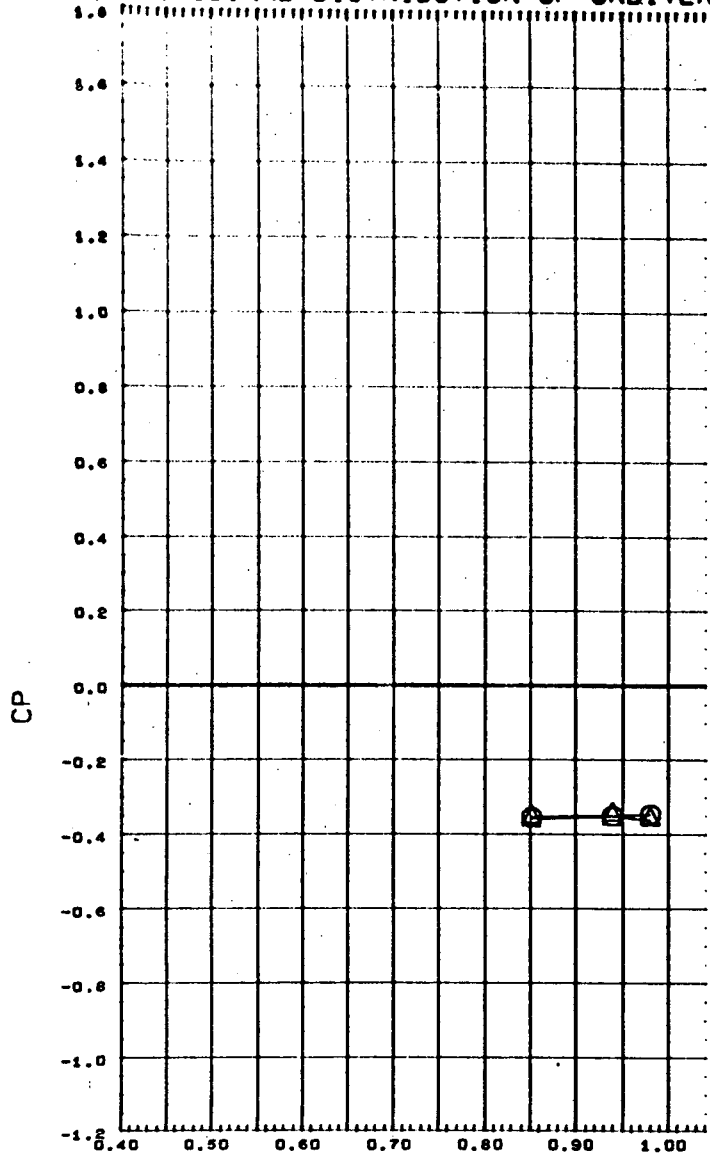
SYMBOL	BETA	Y/B	M1
○	- 6.197	0.289	0.598
△	- 3.945	0.399	
◇	- 2.127		
□	- 0.034		
N	1.761		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.766	0.289	0.598
△	6.056	0.399	

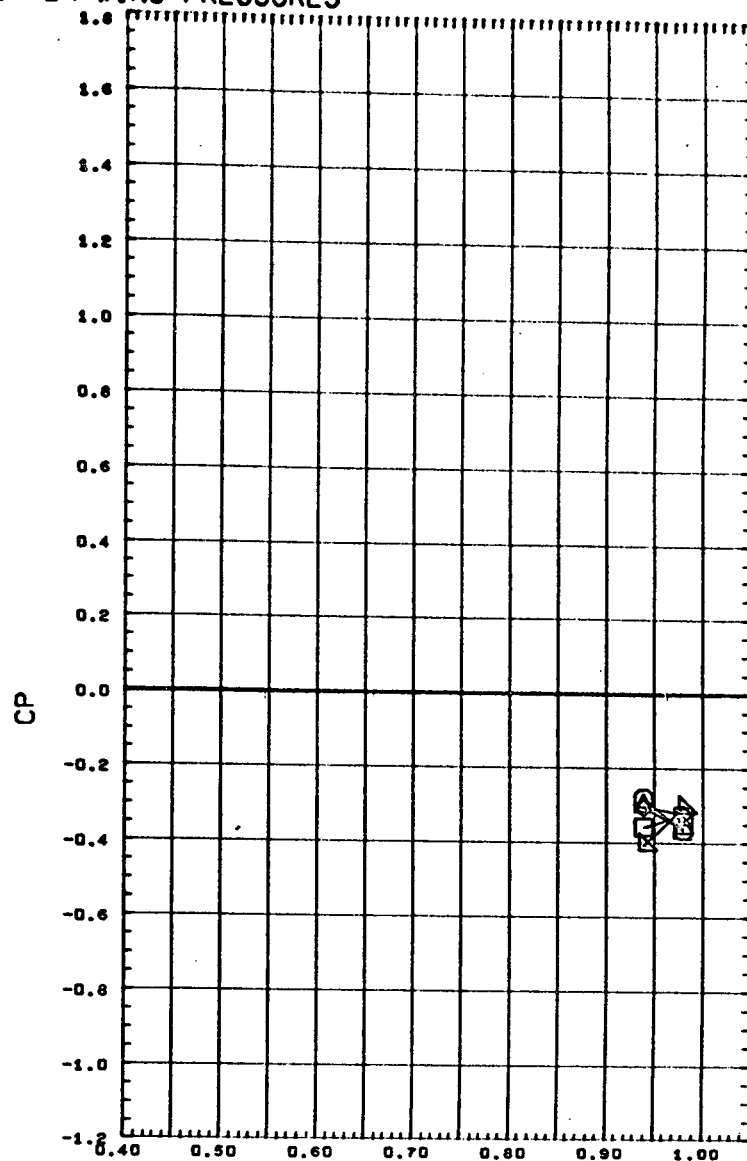
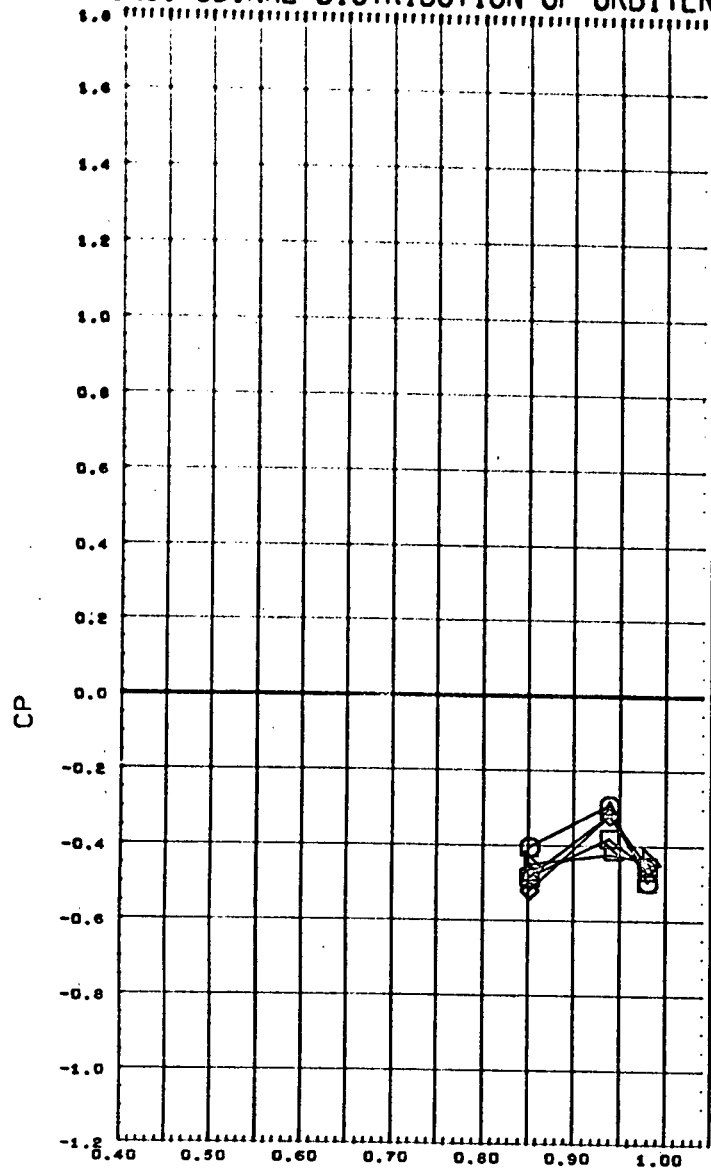
PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

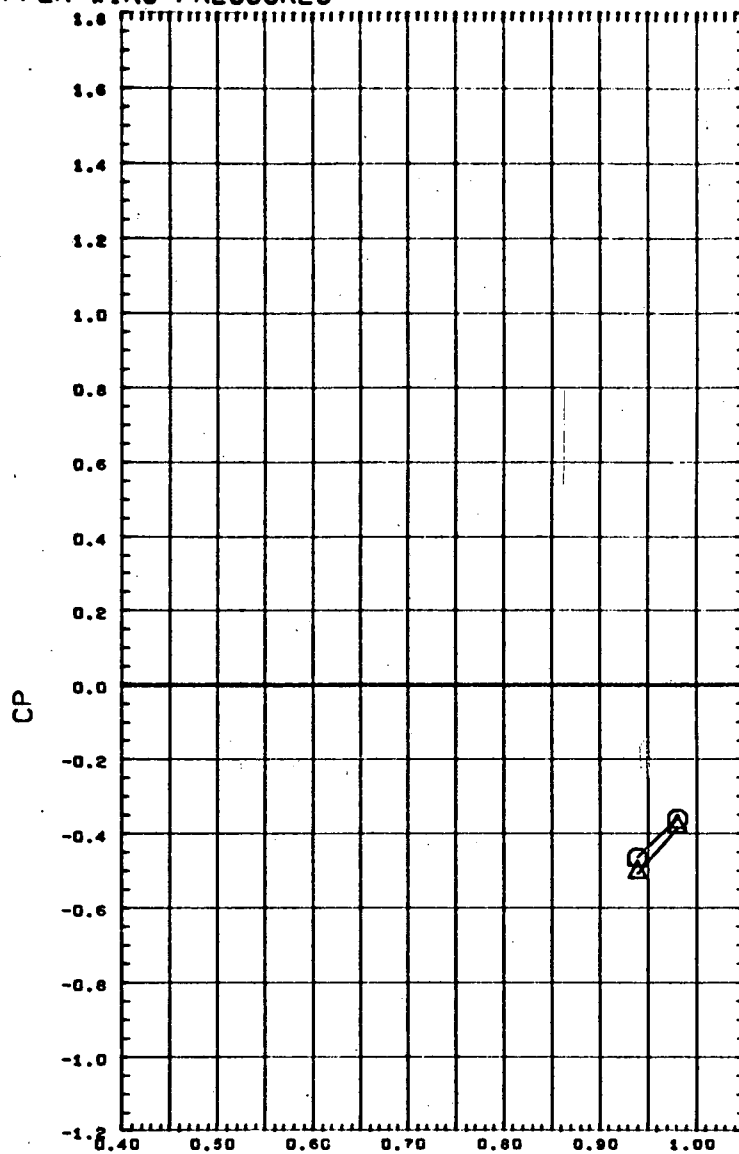
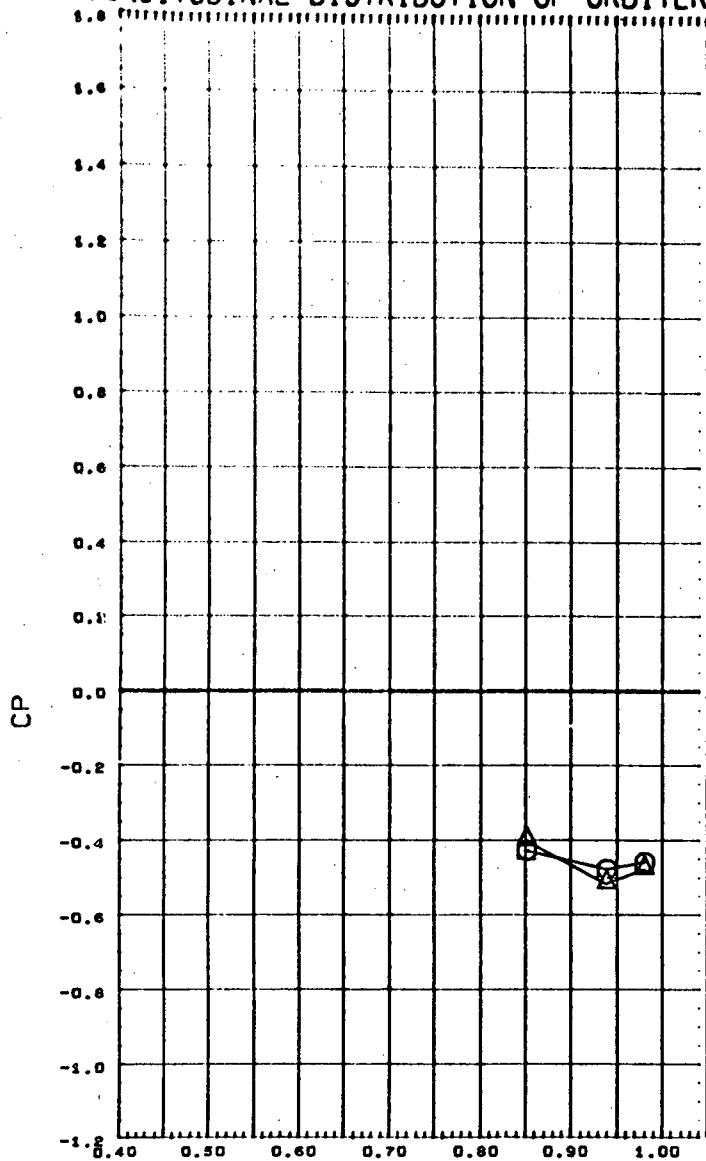
SYMBOL	BETA	Y/B	M1
○	5.928	0.289	0.903
△	4.036	0.399	
◇	2.074		
□	0.007		
—	1.849		

REFERENCE FILE

X/L

PARAMETRIC VALUES		
ALFB	6.000	OX/L
I	0.000	0.000

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
Δ	3.870	0.269	0.903
\square	5.976	0.399	

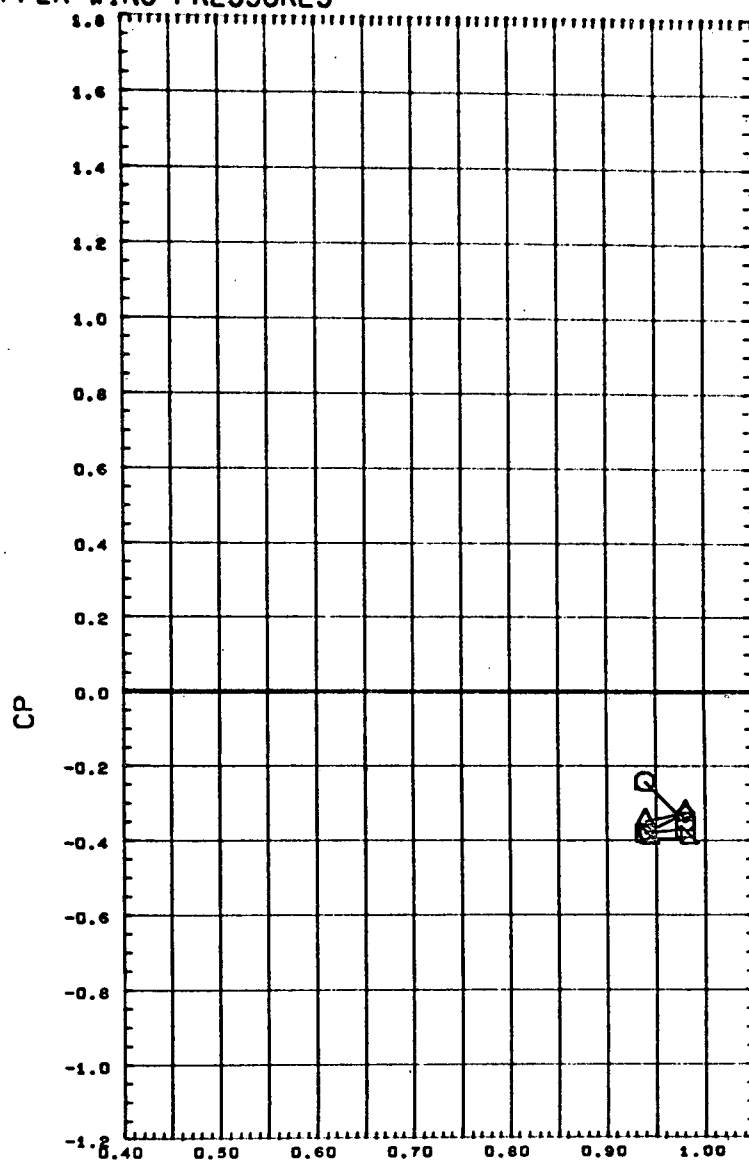
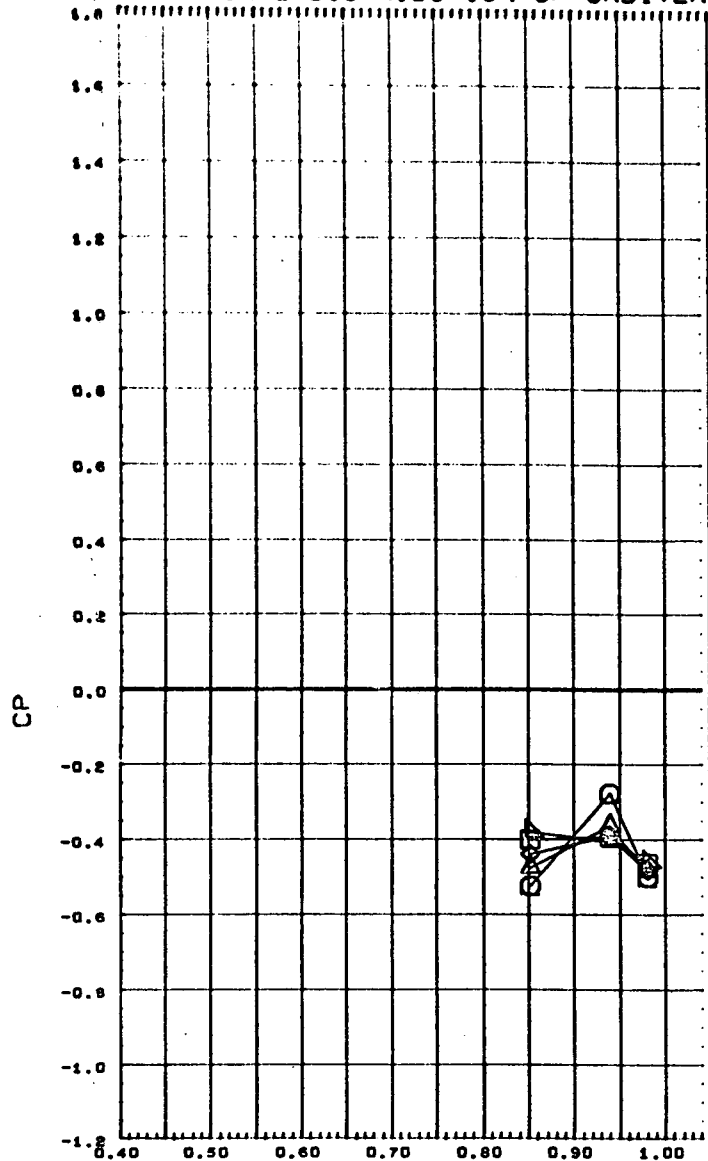
PARAMETRIC VALUES		
ALFB	6.000	DX/L
I	0.000	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

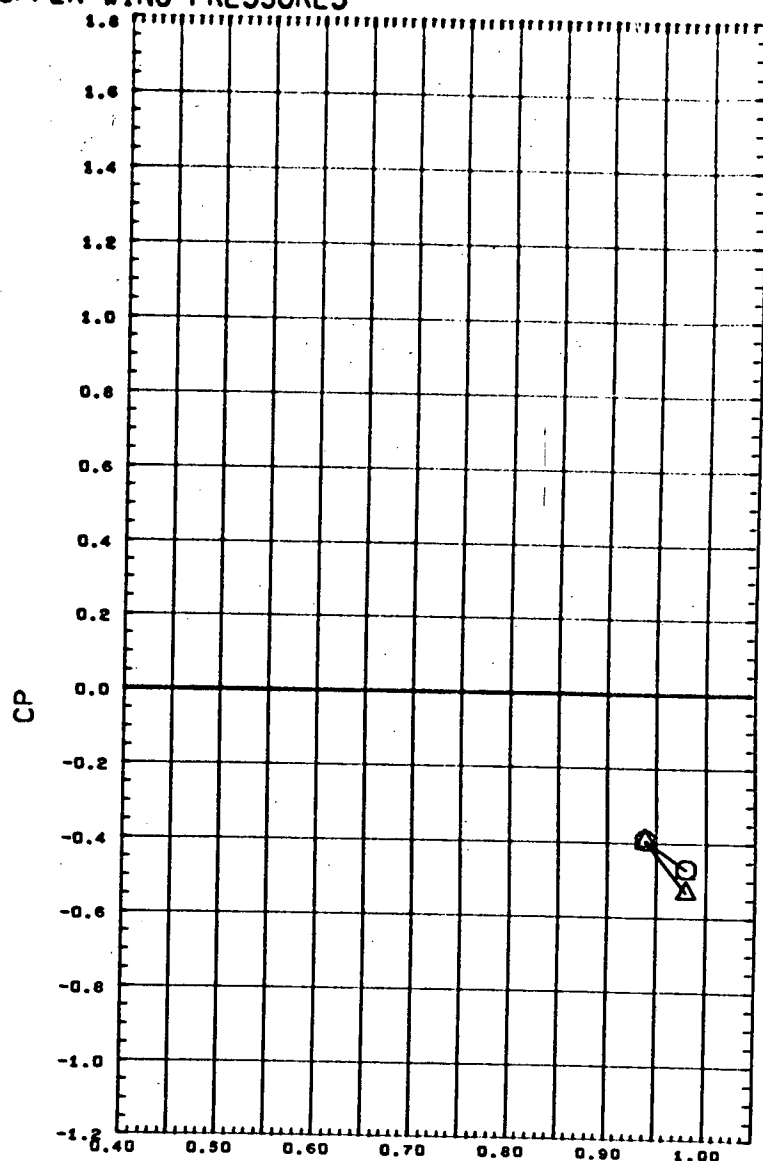
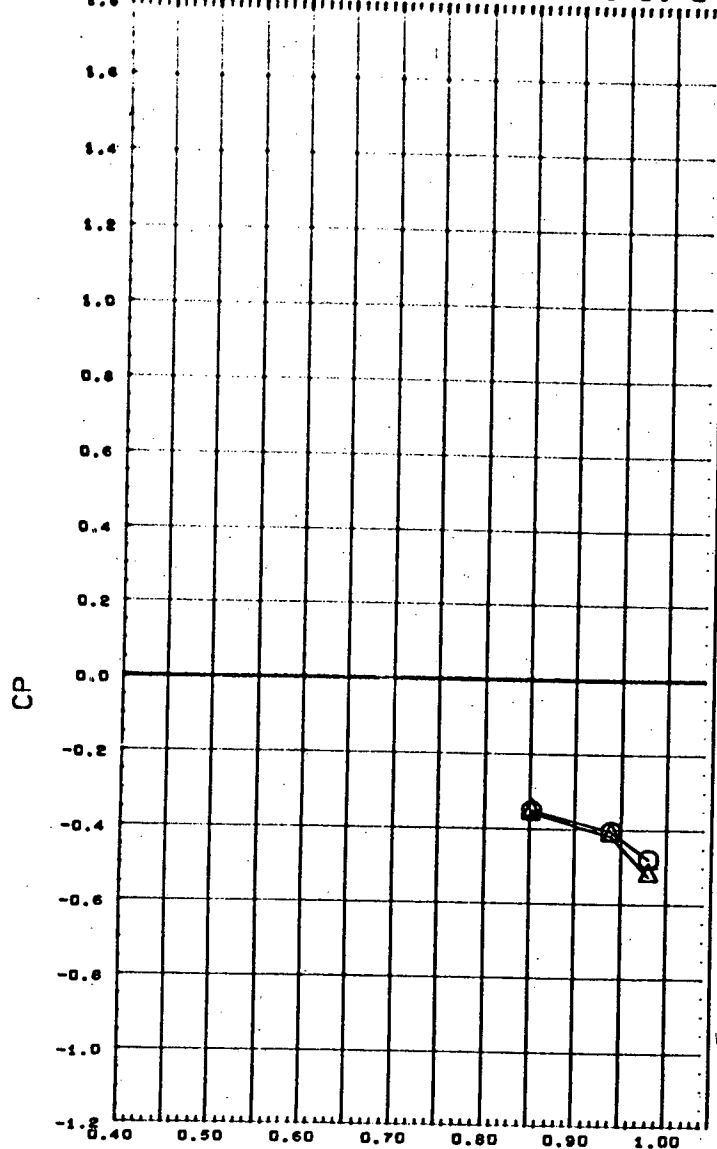


SYMBOL	BETA	Y/B	X/L	M1
○	5.831	0.289		1.001
◇	3.916	0.399		
◊	2.062			
□	0.023			
△	1.843			

REFERENCE FILE

PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.000
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



		X/L	
SYMBOL	BETA	Y/B	M1
○	3.879	0.289	1.001
△	5.995	0.399	

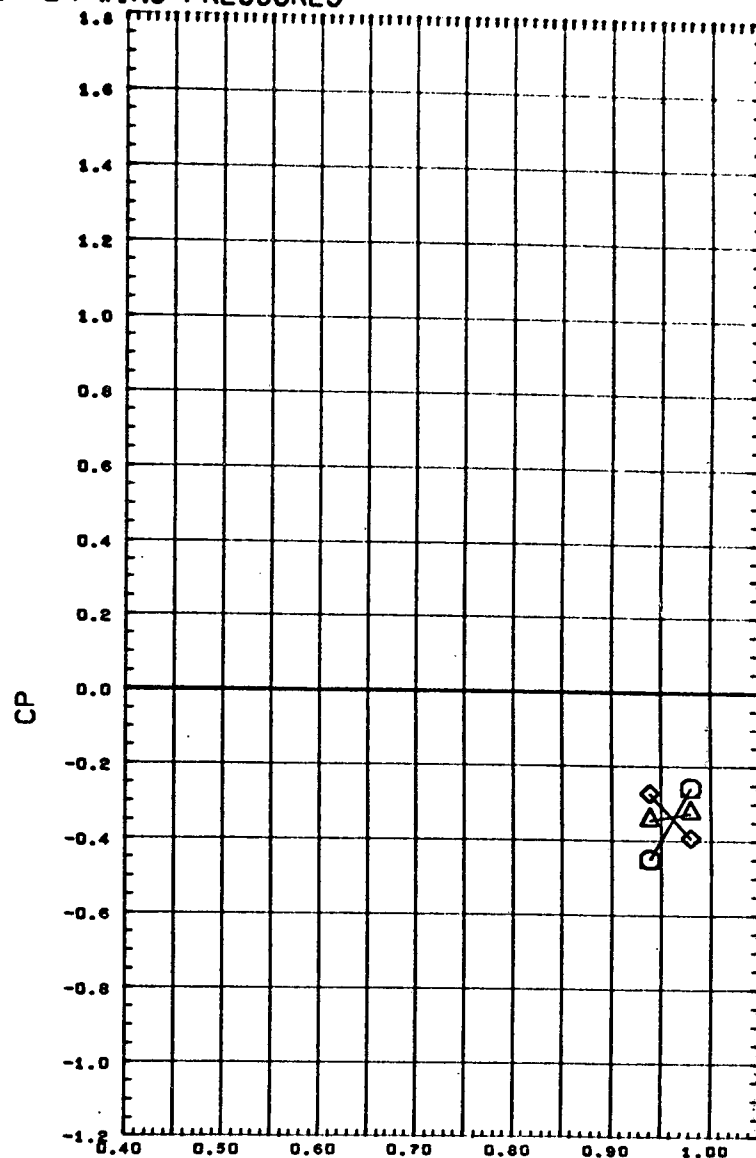
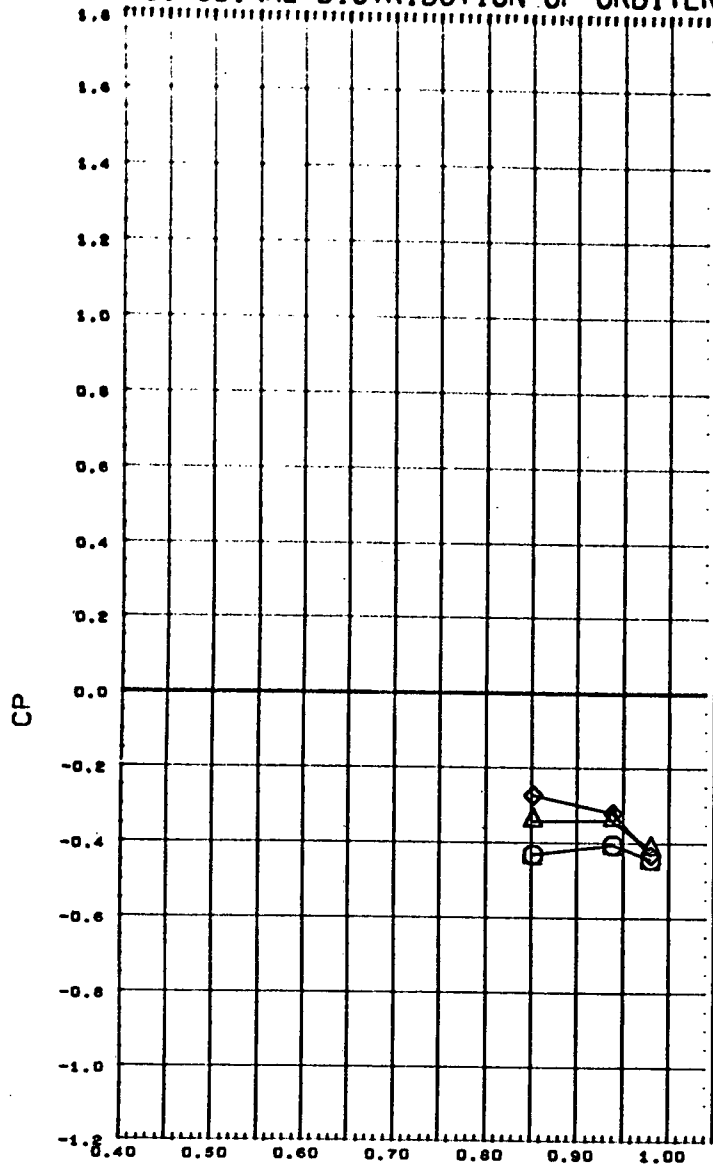
		X/L	
ALFB	PARAMETRIC VALUES		
I	6.000	0X/L	0.000
	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

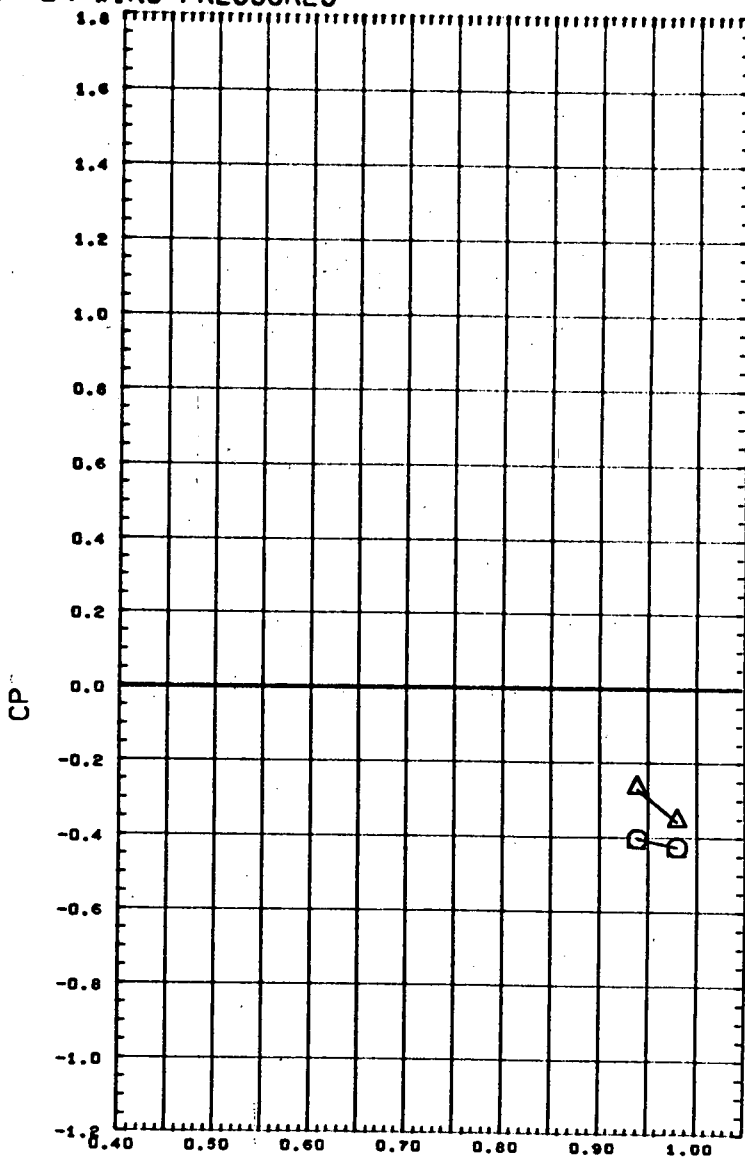
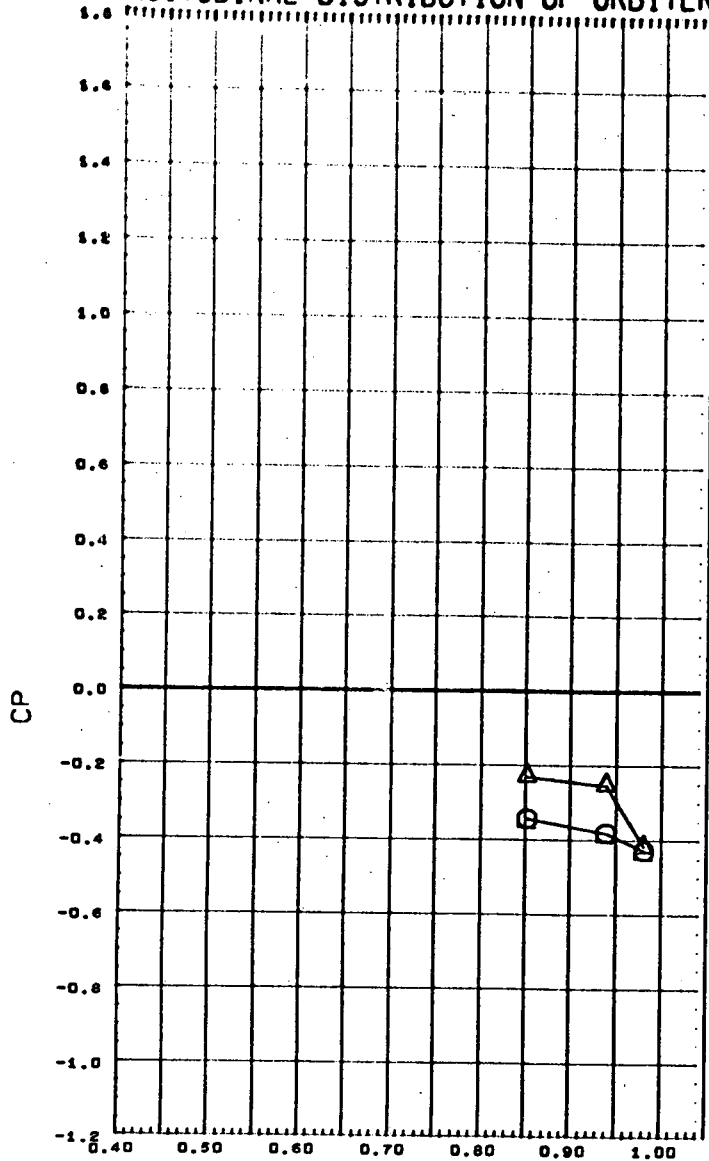


SYMBOL	BETA	Y/B	M1
○	- 3.704	0.289	1.100
△	- 0.004	0.399	
◇	3.758		

PARAMETRIC VALUES		
ALFB	6.000	DX/L 0.000
I	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.879	0.289	1.202
△	3.779	0.399	

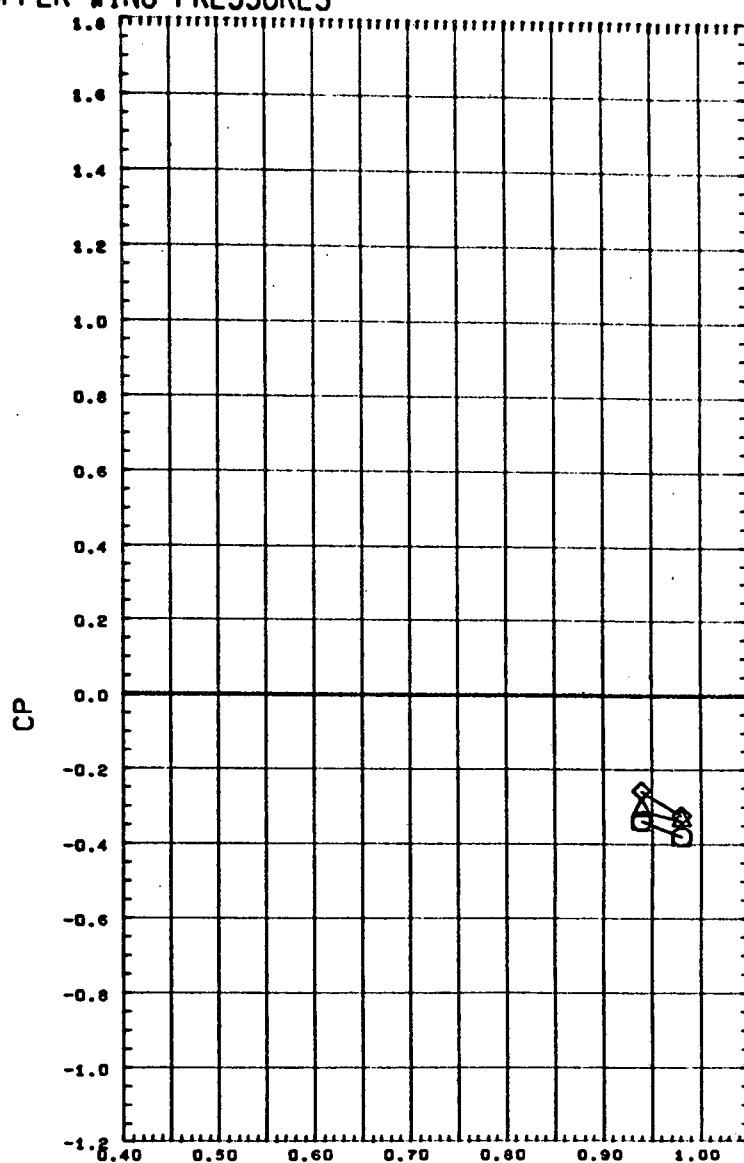
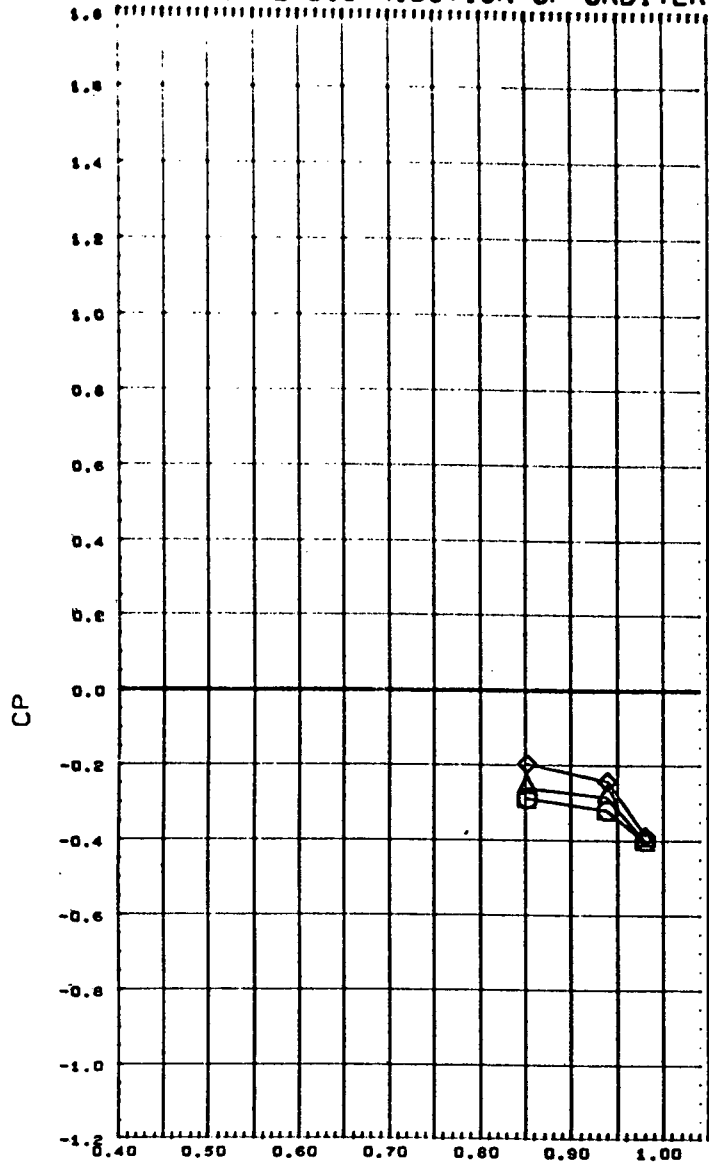
X/L	PARAMETRIC VALUES
ALFB	6.000
I	0.000
DX/L	0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC004)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

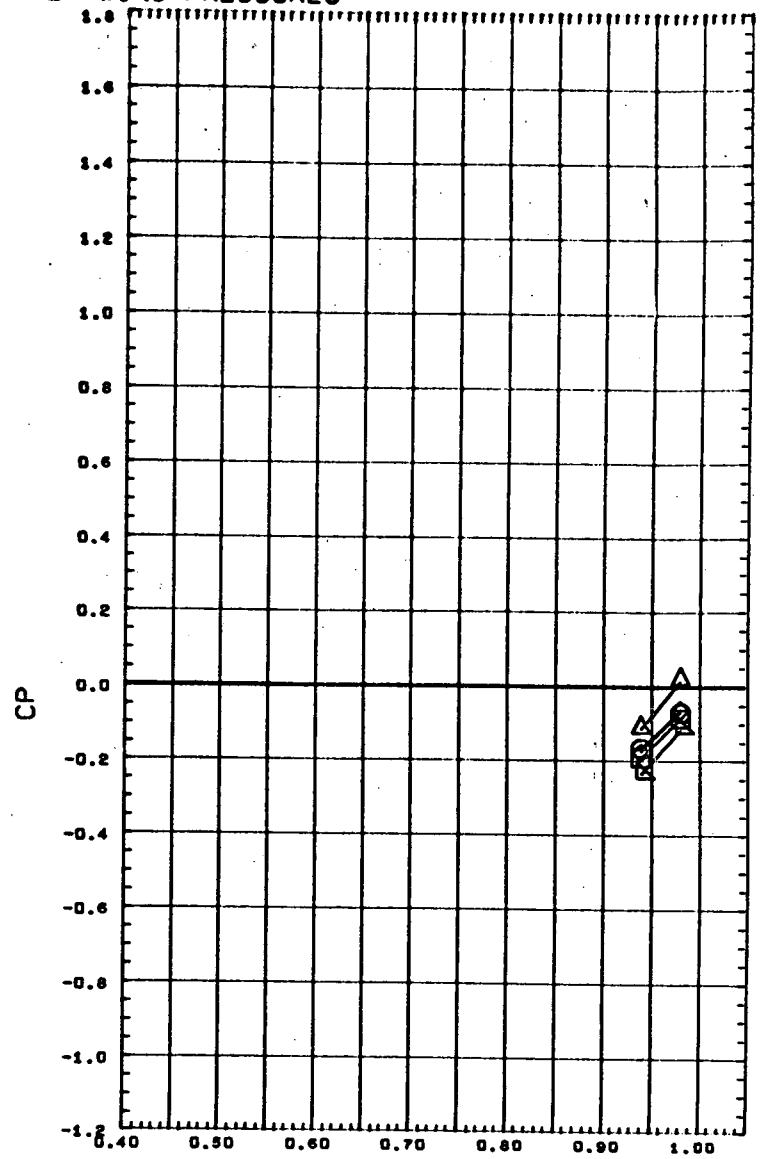
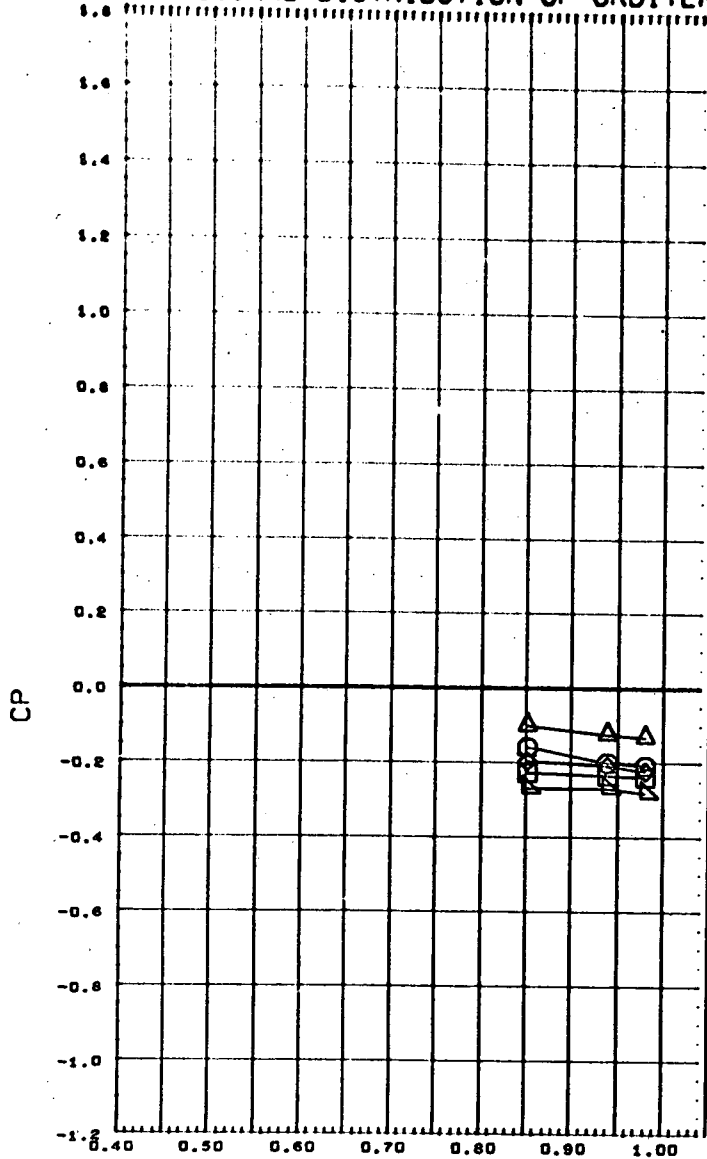


SYMBOL	BETA	Y/B	X/L
○	3.842	0.289	1.298
△	0.036	0.399	
◇	3.887		

	ALFB	PARAMETRIC VALUES	DX/L	
I	6.000	0.000		0.000
	0.000			

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

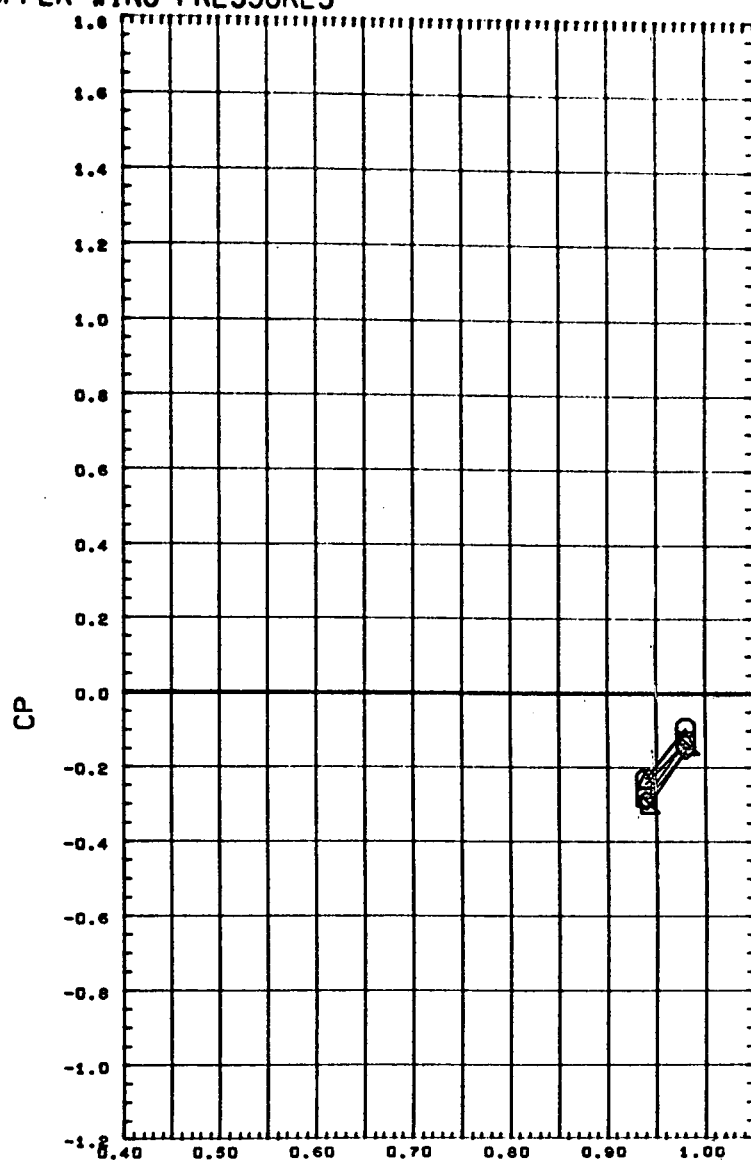
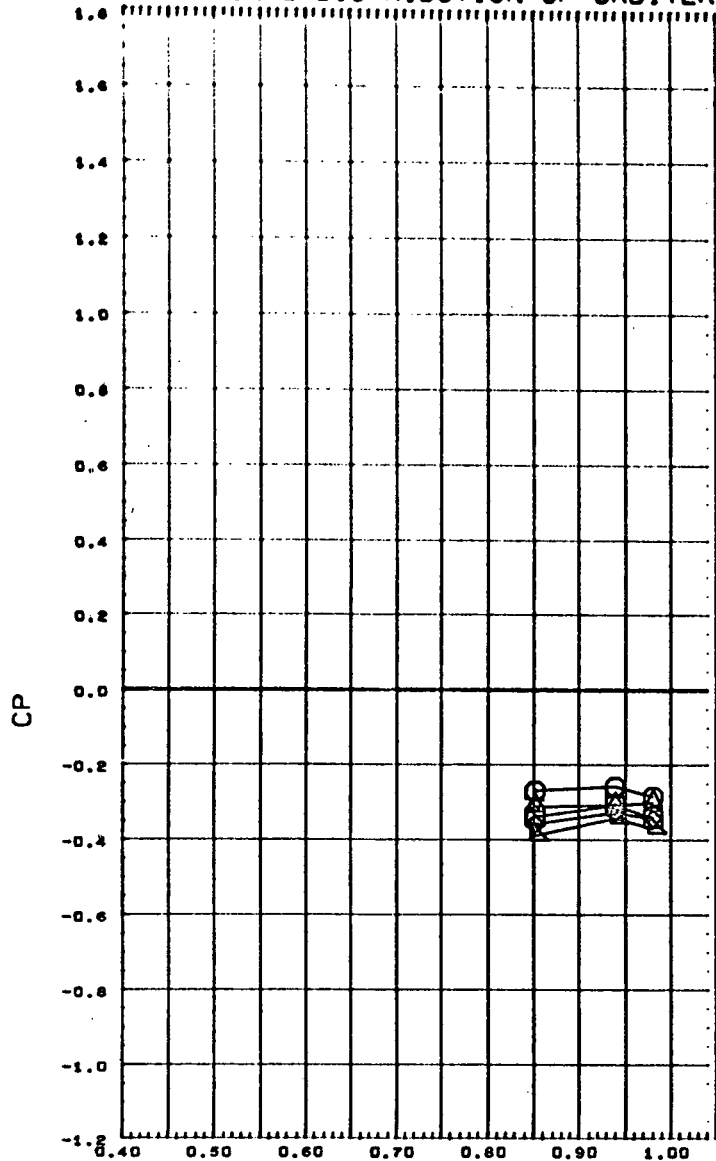


X/L			
SYMBOL	ALFB	Y/B	M1
△	8.140	0.289	0.597
○	5.877	0.399	
◇	3.890		
□	2.290		
■	0.129		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

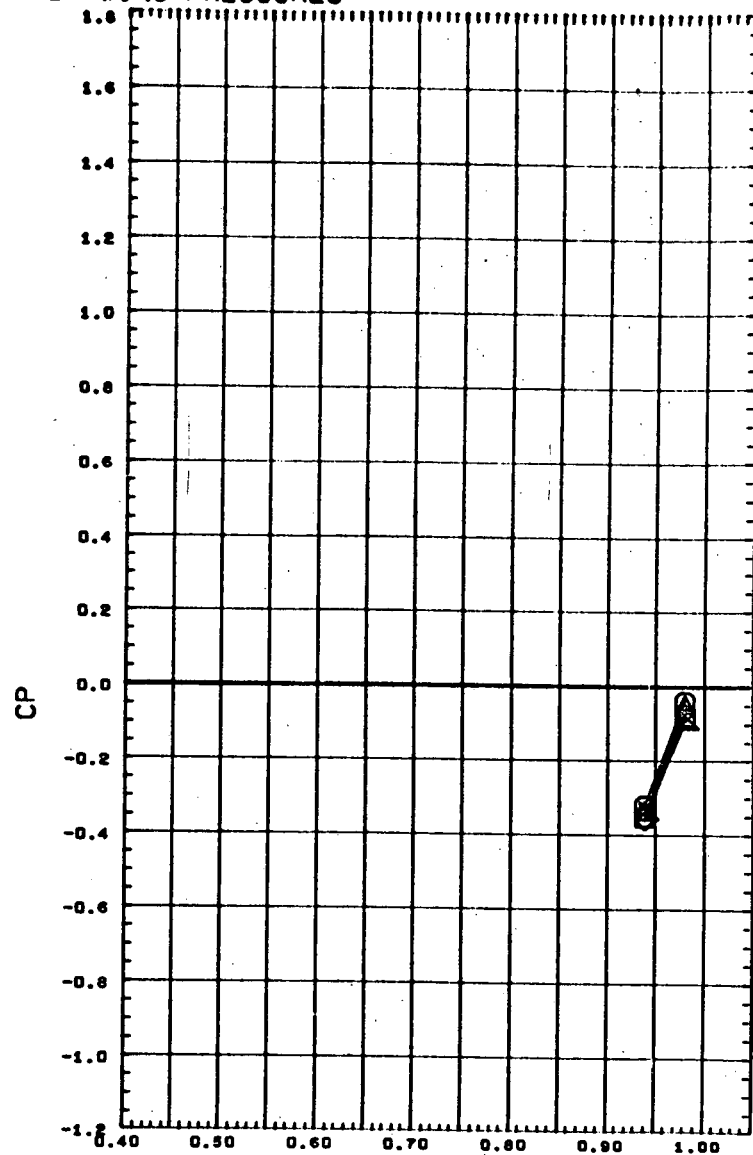
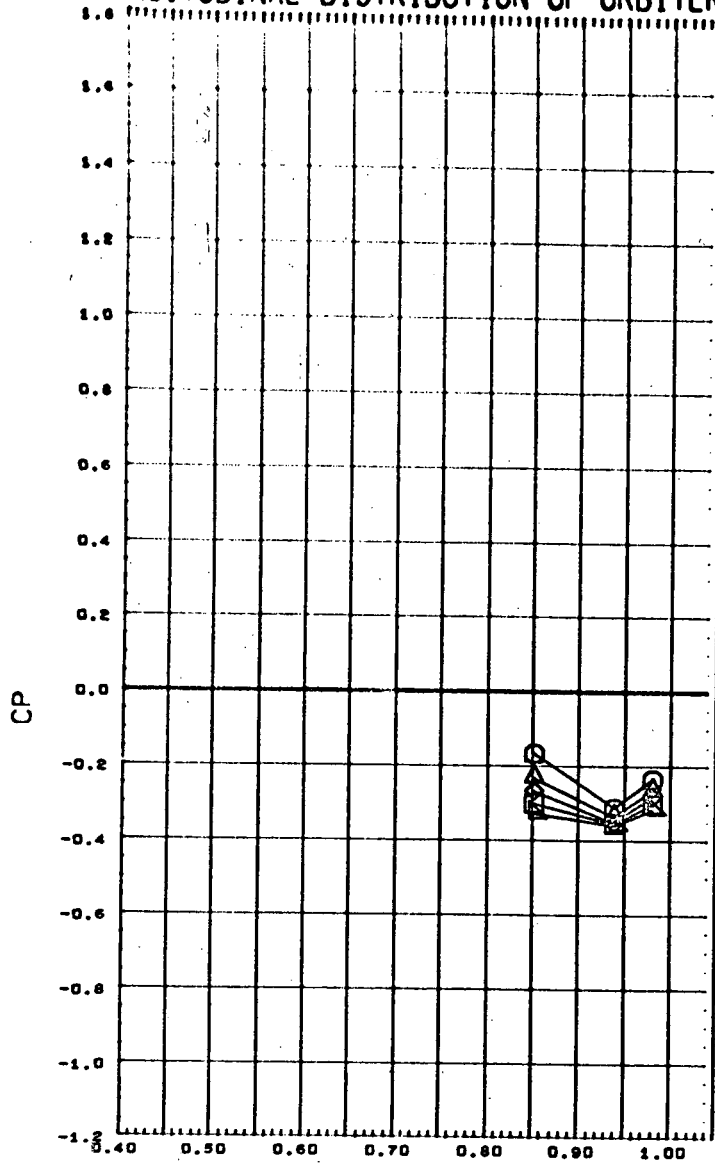


SYMBOL	ALFB	Y/B	X/L
○	2.108	0.289	0.597
◇	4.102	0.399	
□	6.080		
△	7.688		
▽	10.114		

REFERENCE FILE

	BETA	PARAMETRIC VALUES	DX/L
I	0.000	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

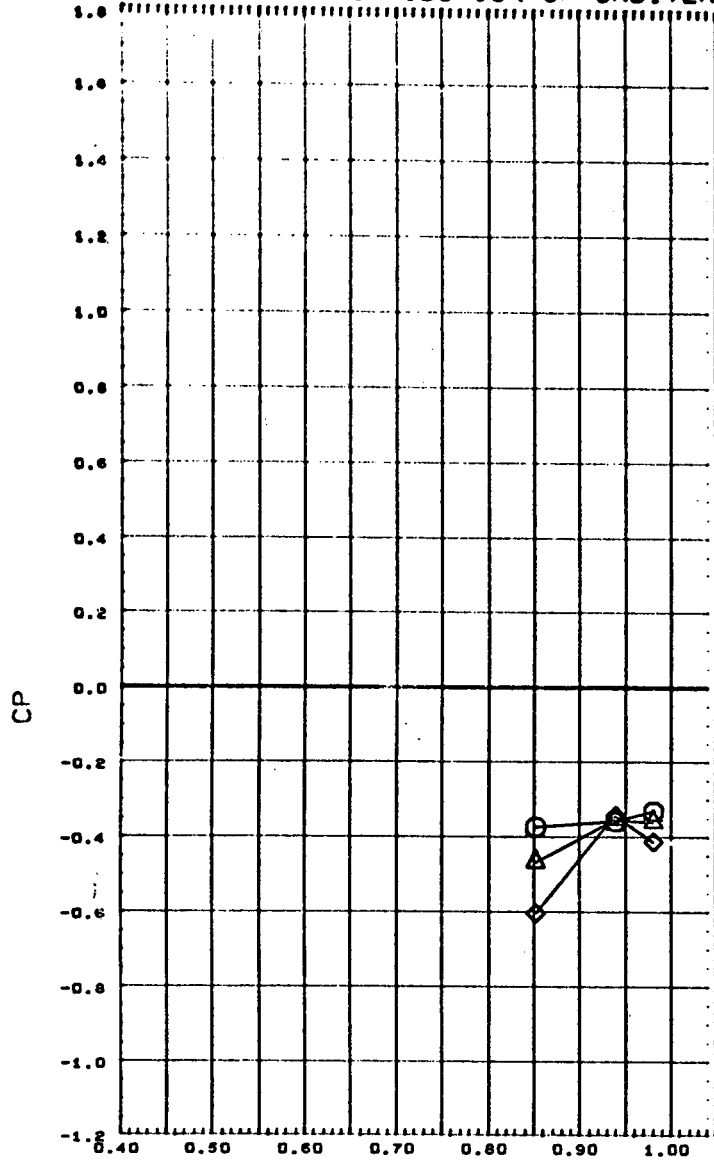


SYMBOL	ALFB	Y/B	M1
○	8.280	0.289	0.899
△	4.452	0.399	
◇	2.200		
□	0.193		
▽	2.085		

REFERENCE FILE

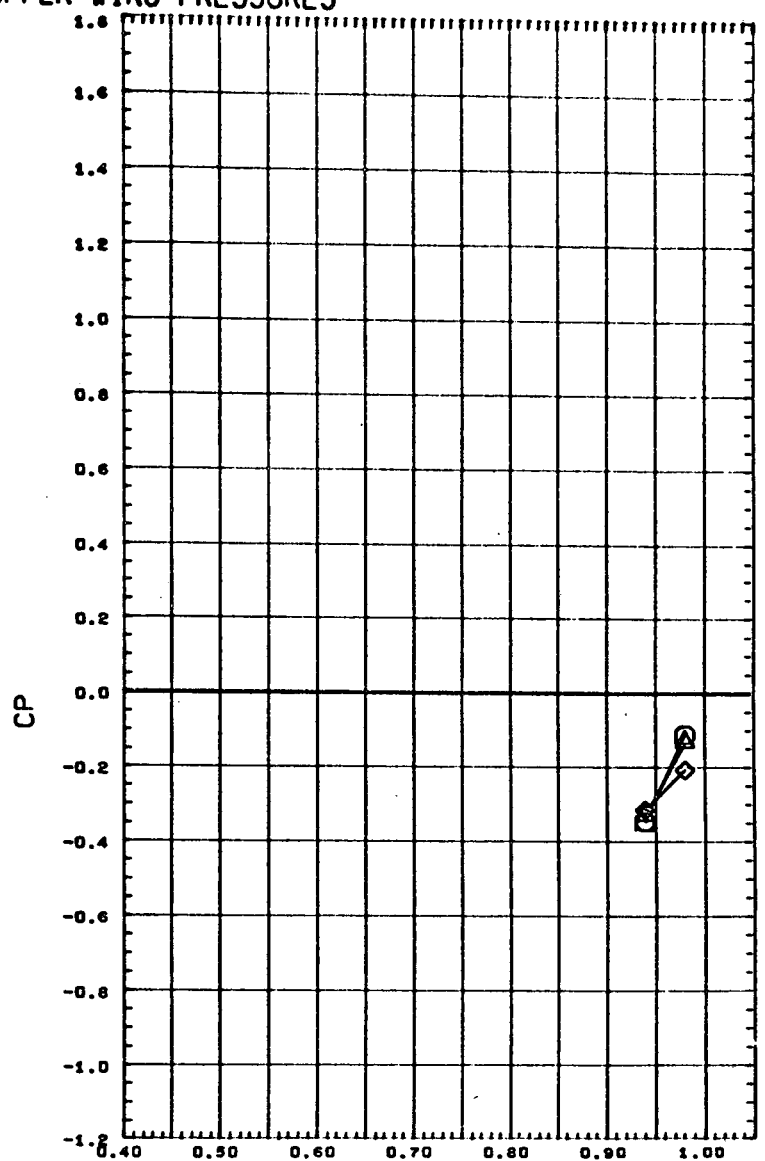
X/L	PARAMETRIC VALUES		
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

SYMBOL	ALFB	Y/B	M1
○	3.719	0.289	0.899
△	6.154	0.399	
◇	10.121		

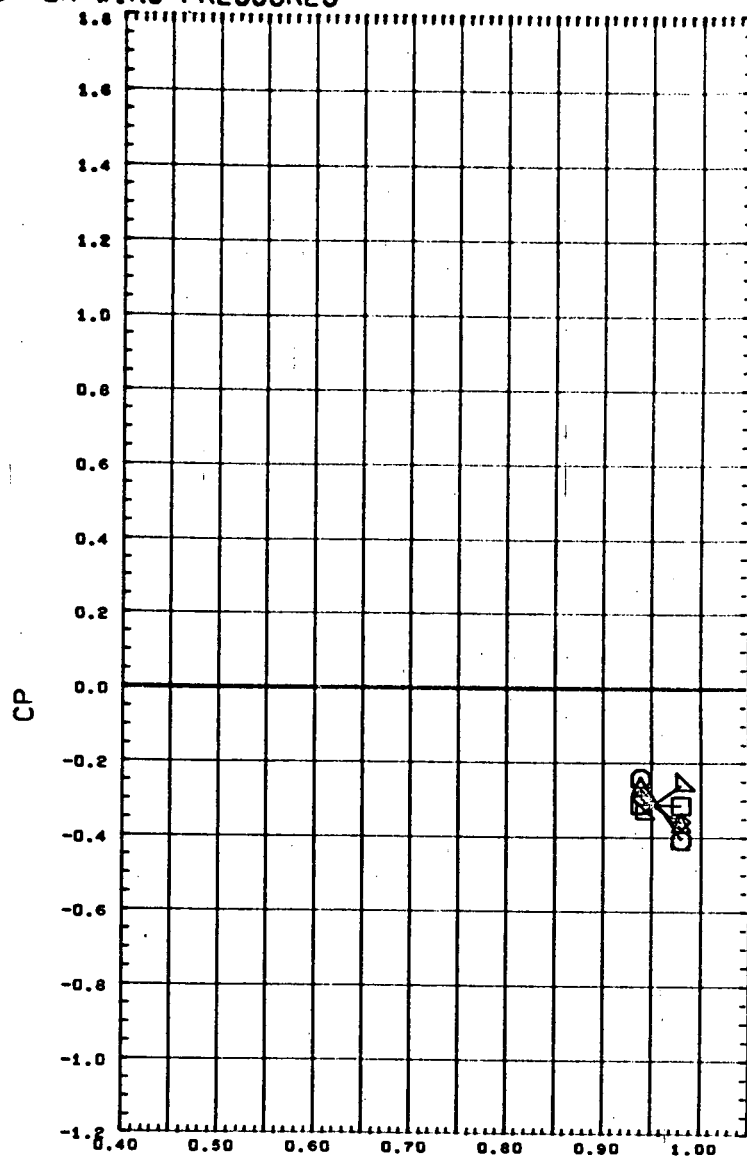
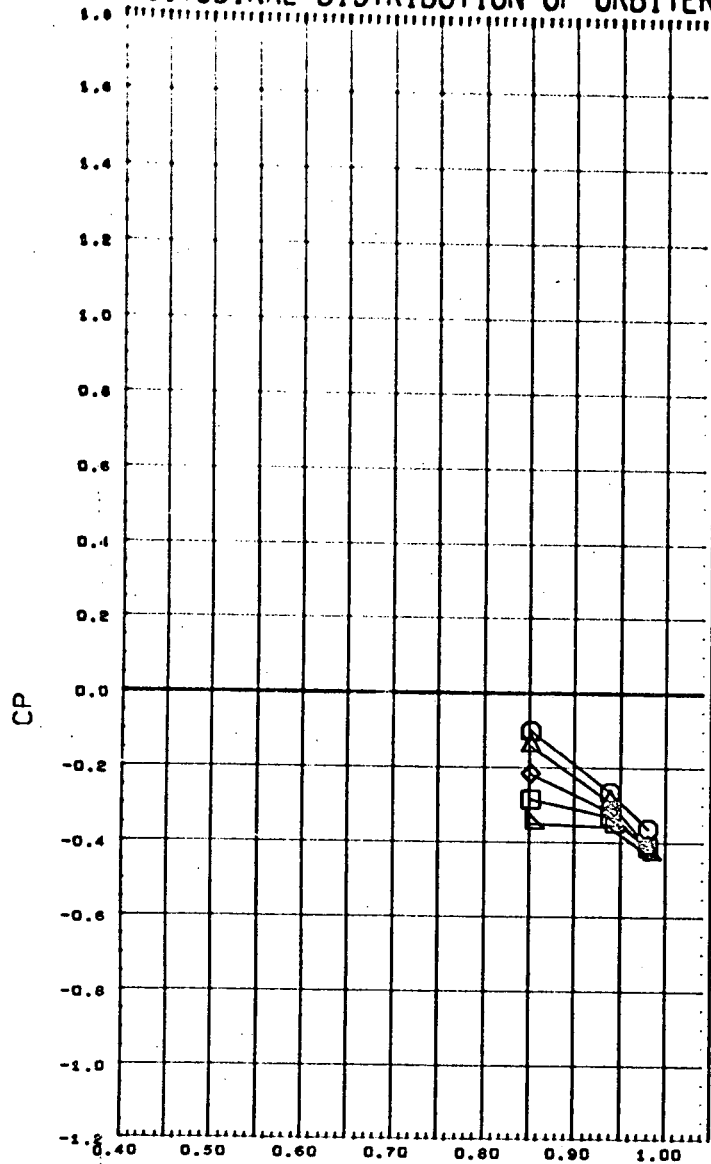


X/L

PARAMETRIC VALUES			
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REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

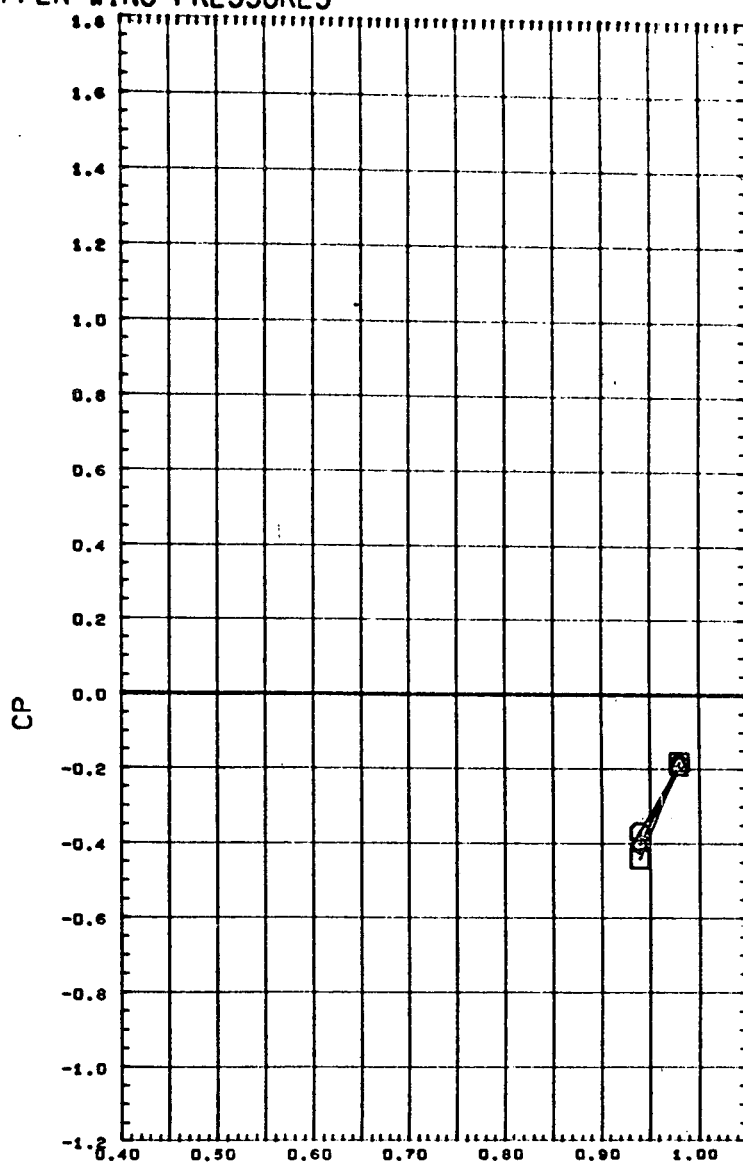
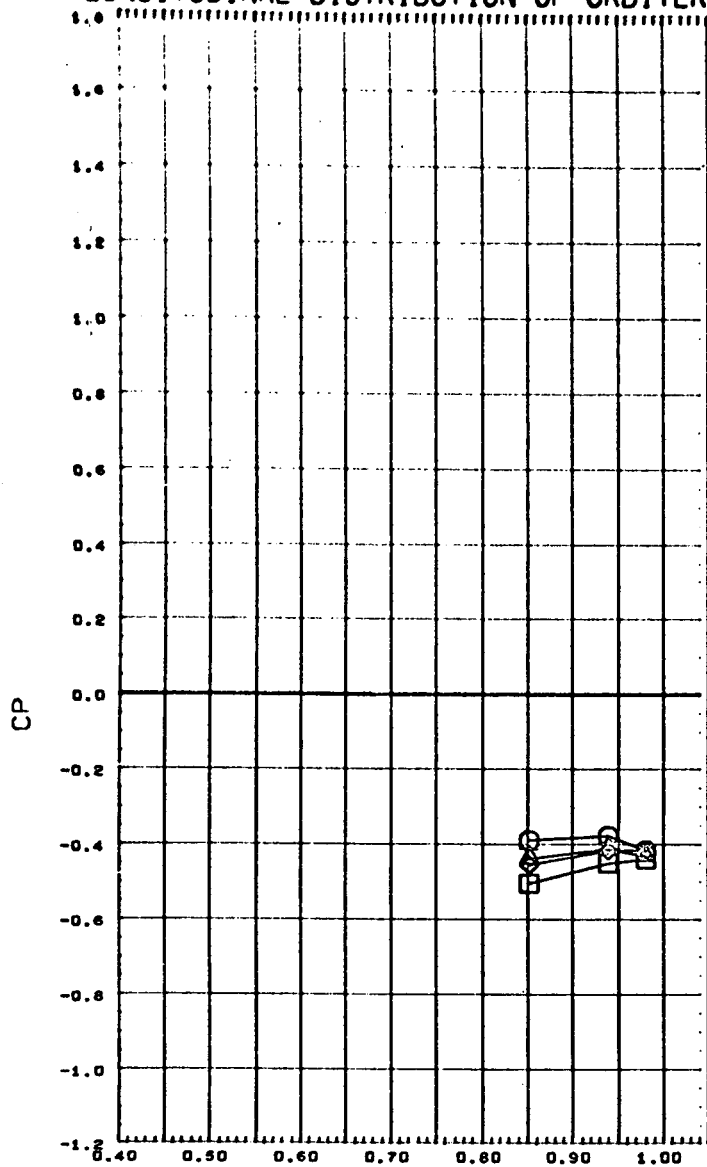


X/L			
SYMBOL	ALFB	Y/B	M1
○	6.158	0.289	0.995
△	4.439	0.399	
◇	2.197		
□	0.217		
—	2.165		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

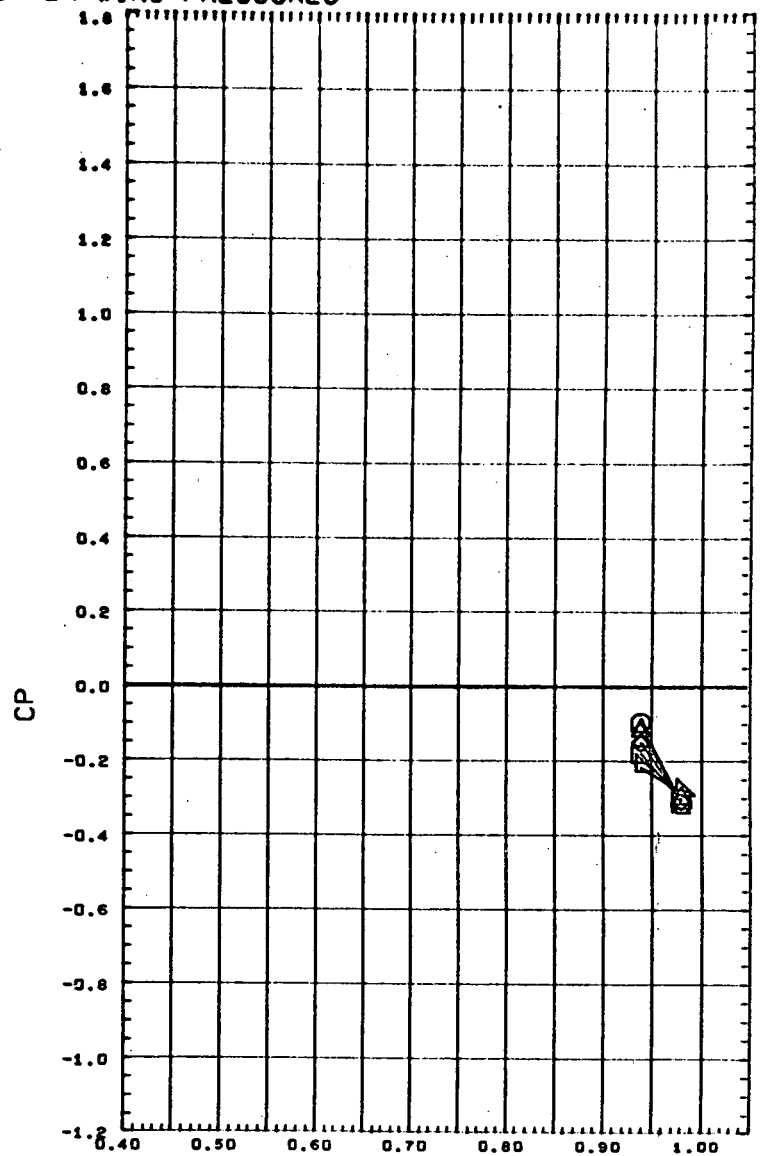
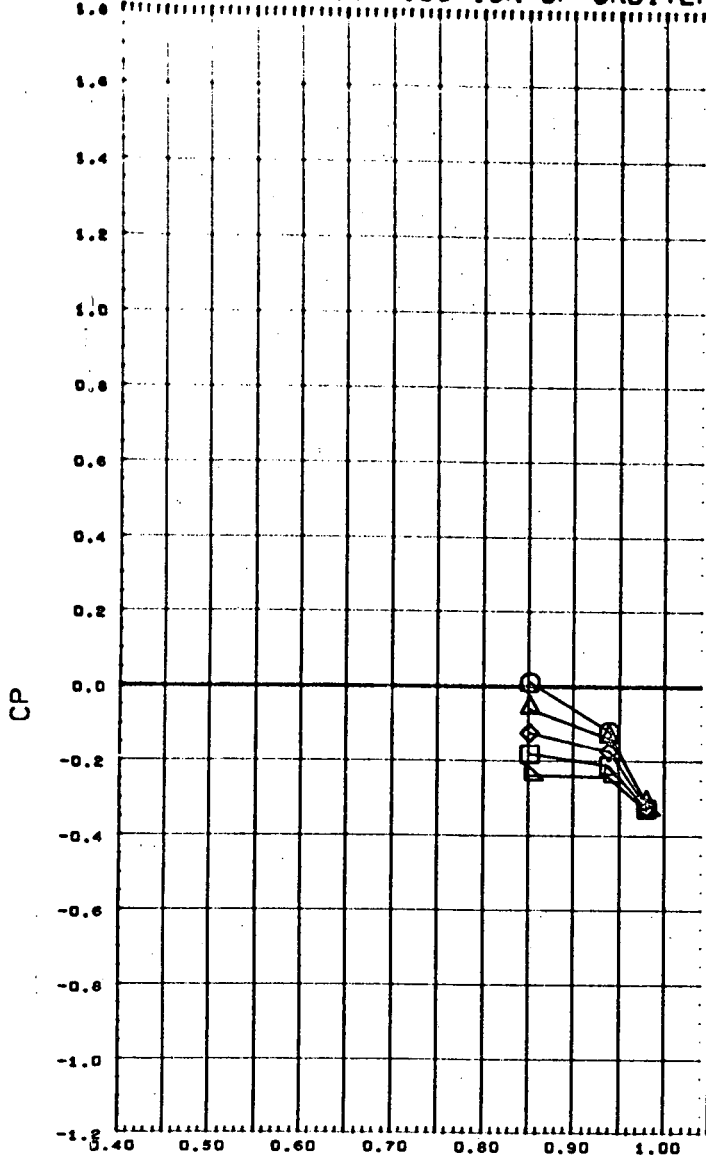


X/L			
SYMBOL	ALFB	Y/B	M1
○	4.157	0.269	0.995
△	6.136	0.399	
◇	7.548		
□	9.756		

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

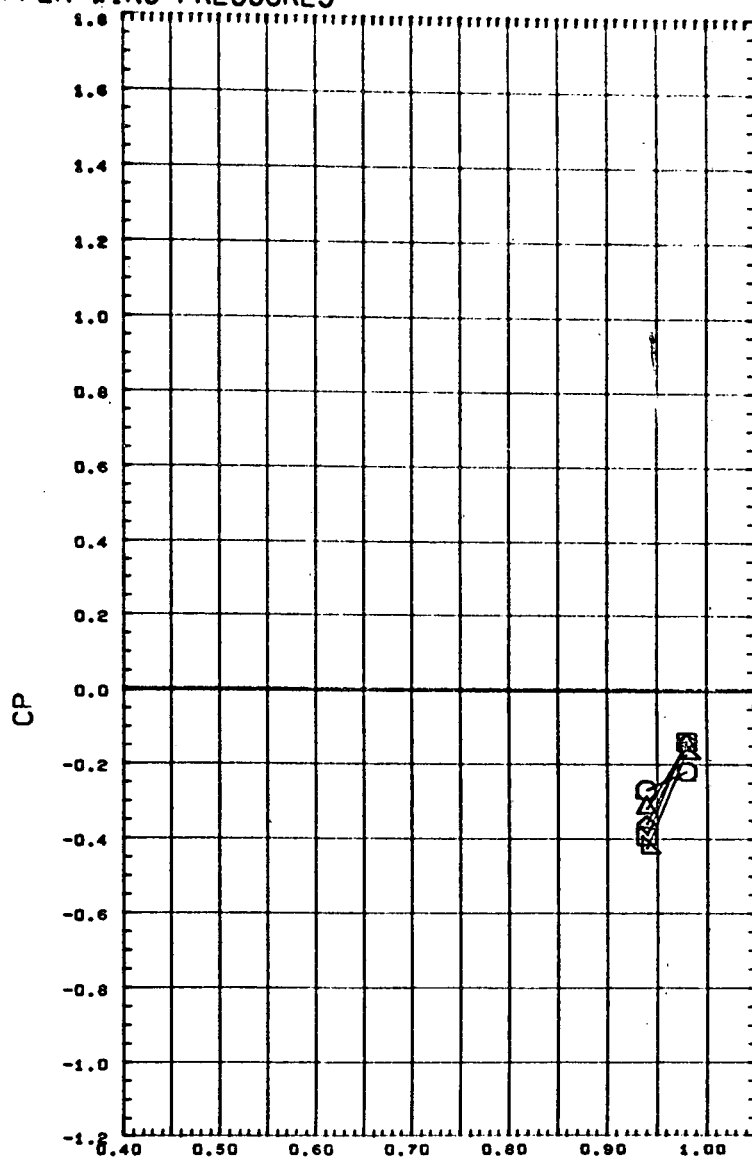
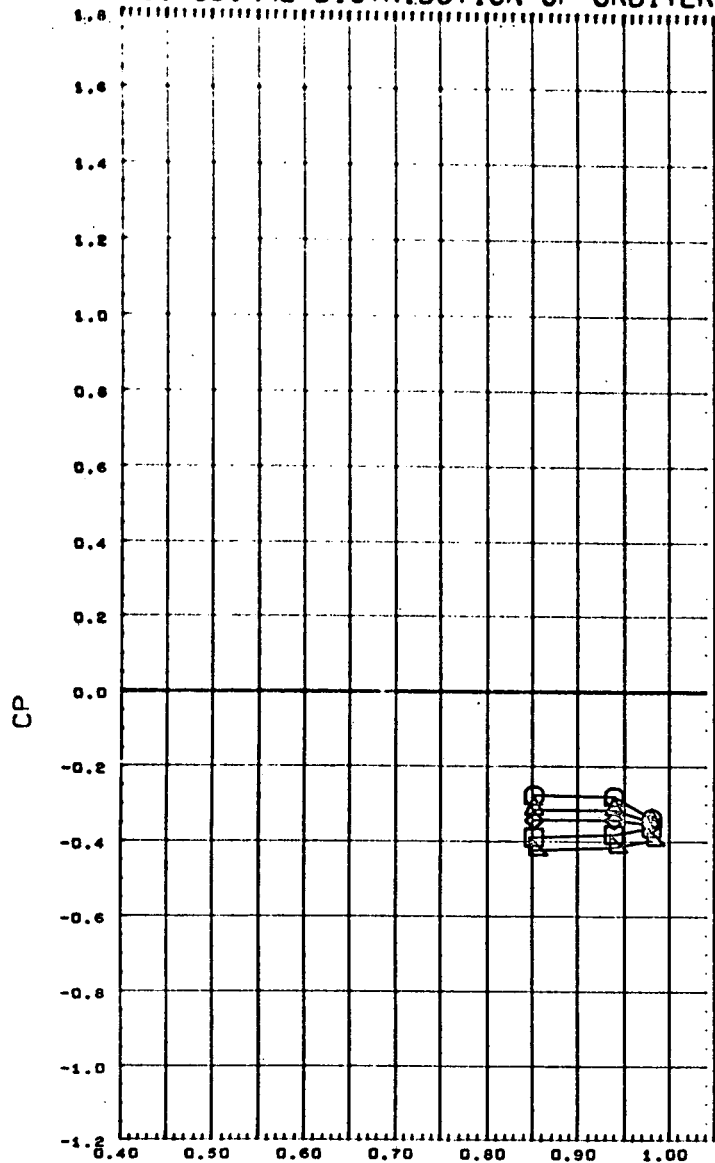


X/L			
SYMBOL	ALFB	Y/B	M1
○	8.325	0.289	1.101
△	6.165	0.399	
◇	4.458		
□	2.183		
—	0.223		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

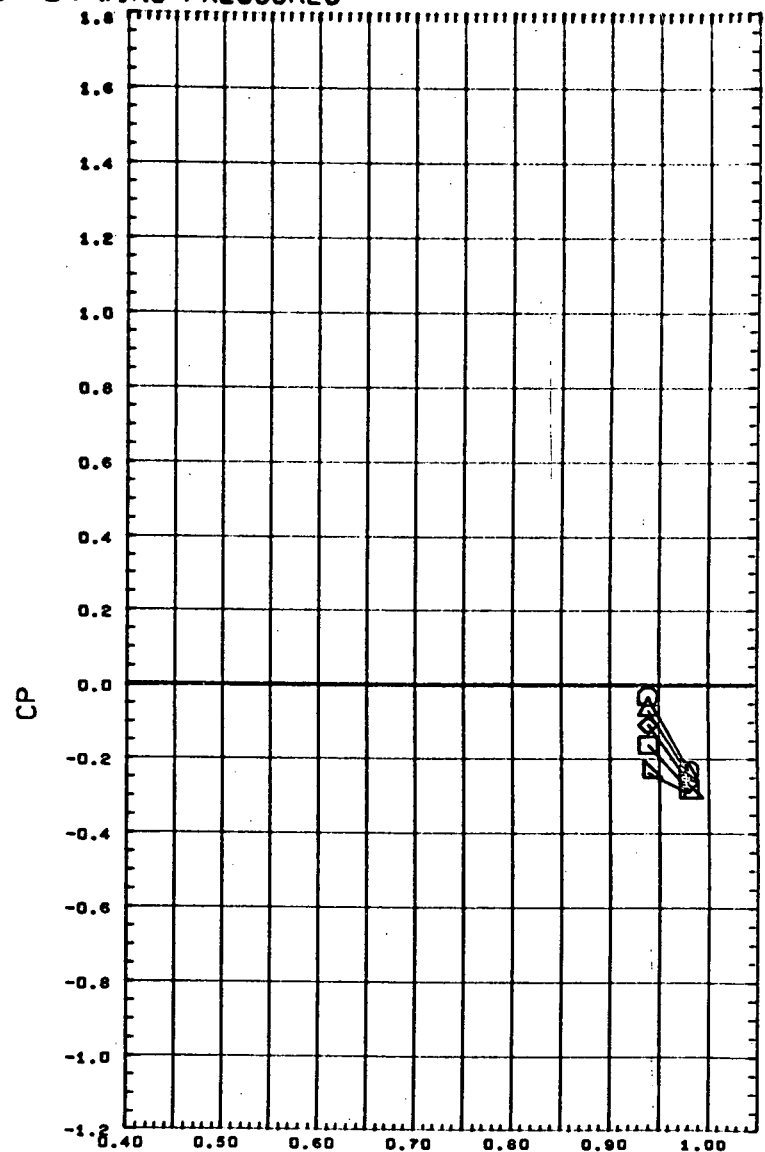
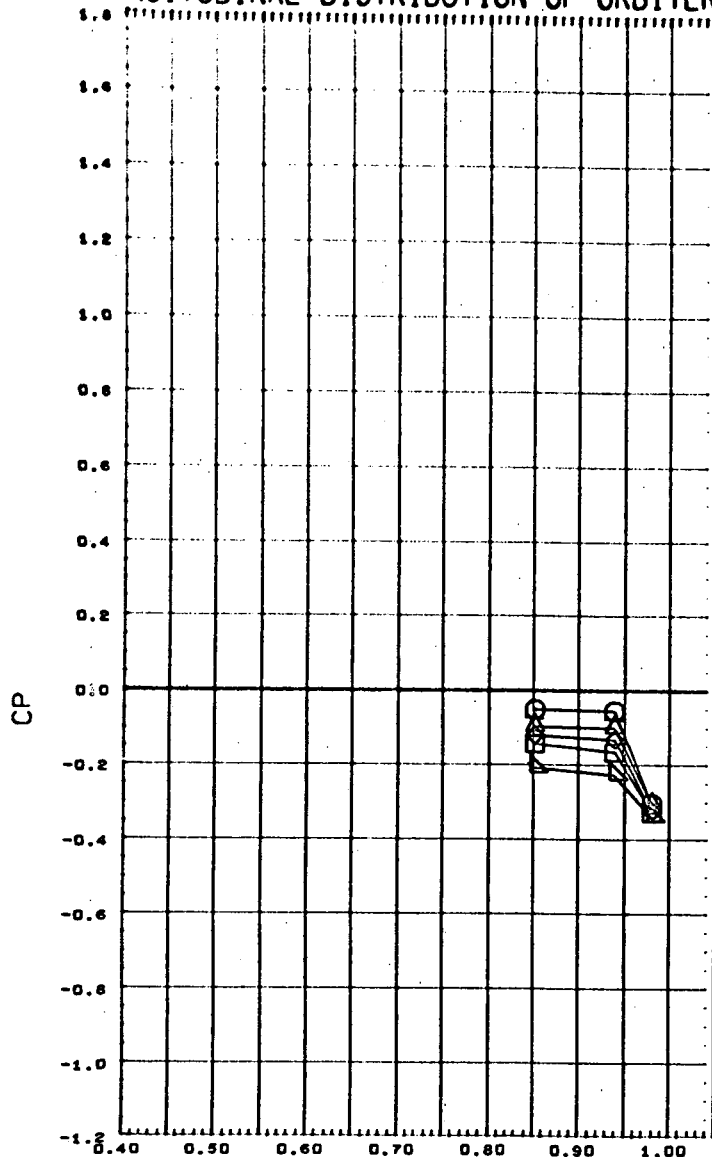


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.164	0.289	1.101
◇	4.173	0.399	
◻	5.536		
△	8.188		
▽	10.145		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

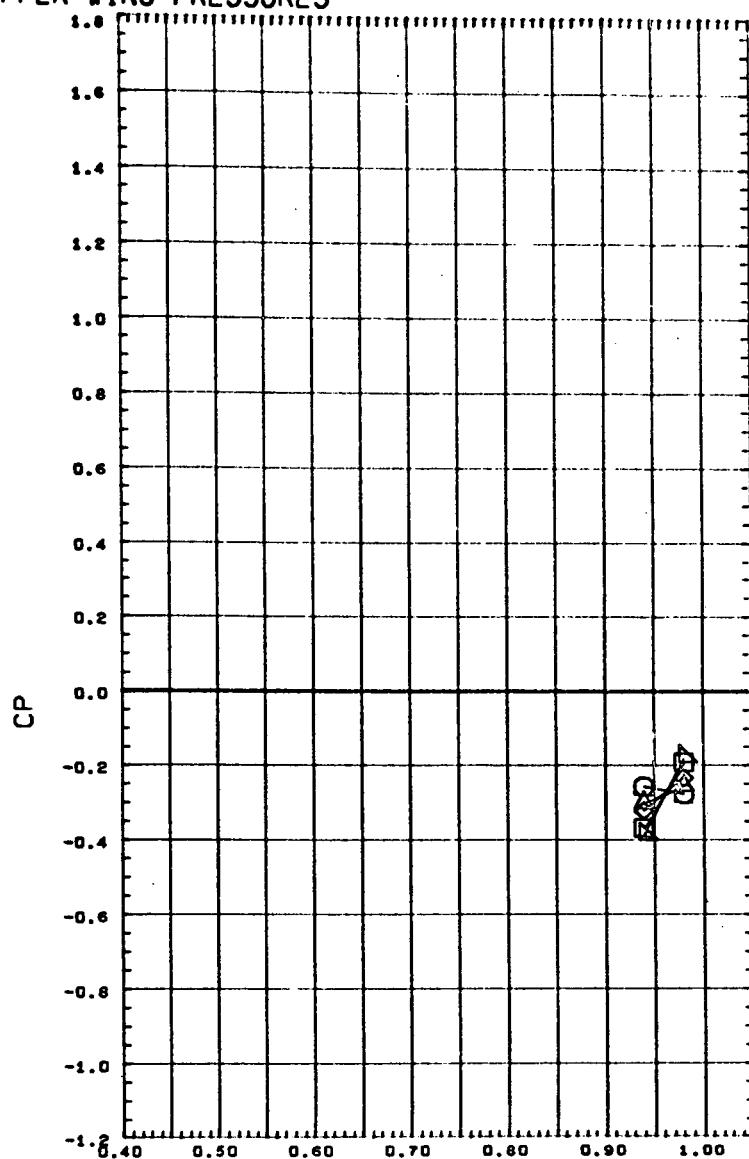
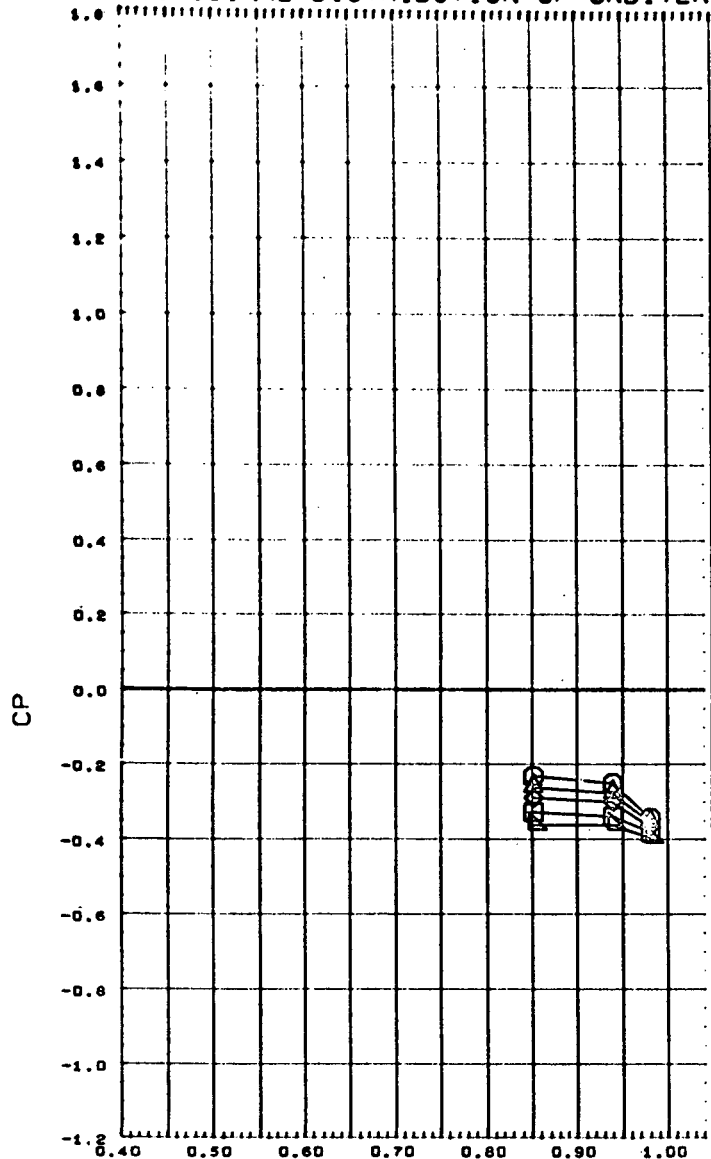


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.289	1.200
△	- 5.757	0.399	
◇	- 4.430		
□	- 2.200		
▽	0.220		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

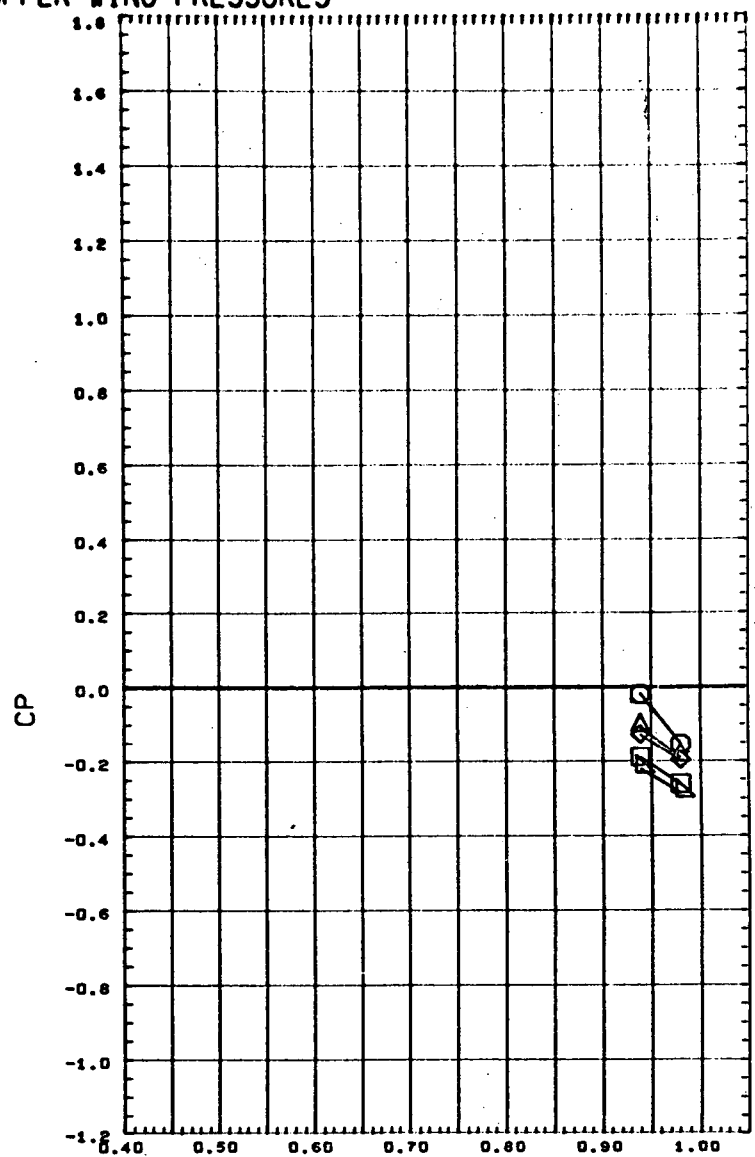
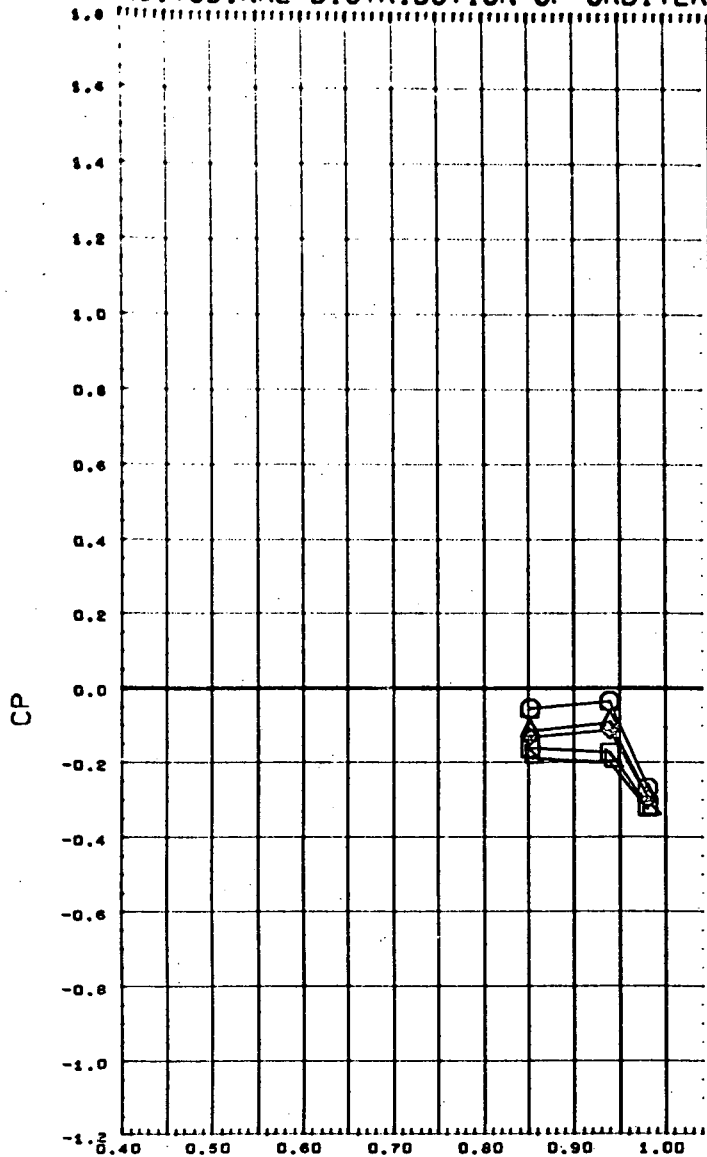


SYMBOL	ALFB	Y/B	M1
○	2.166	0.289	1.200
◇	4.173	0.399	
◻	5.534		
◼	8.199		
◽	10.165		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

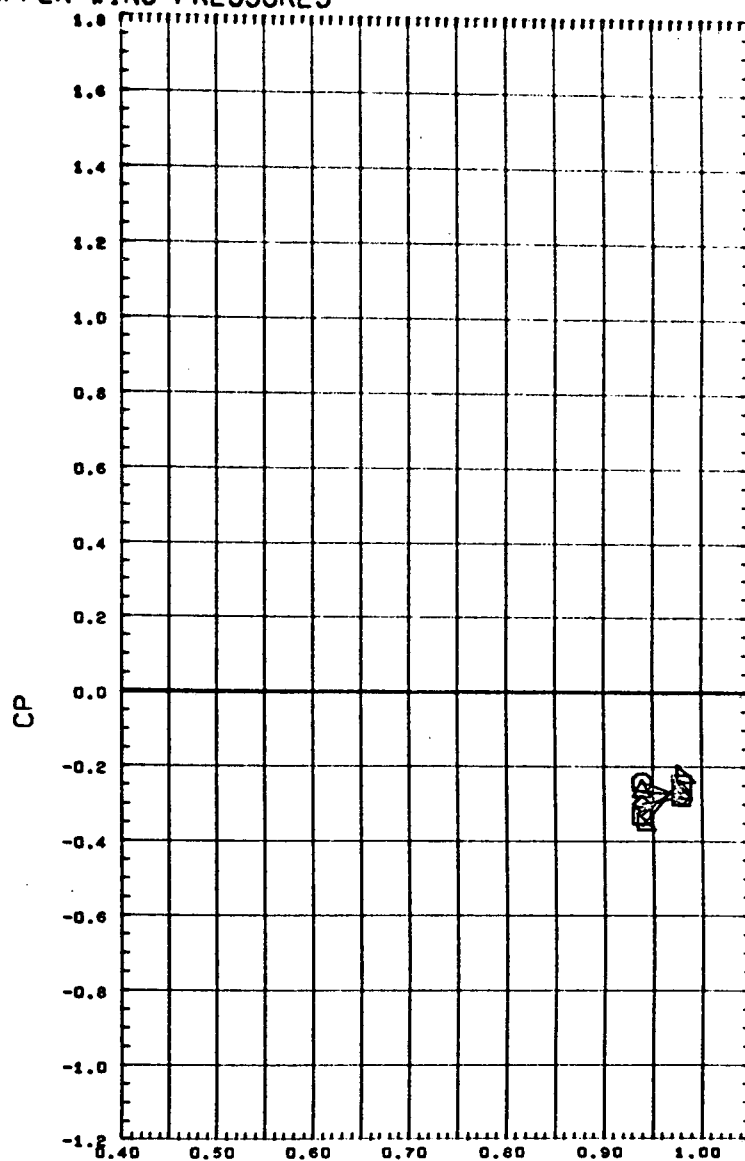
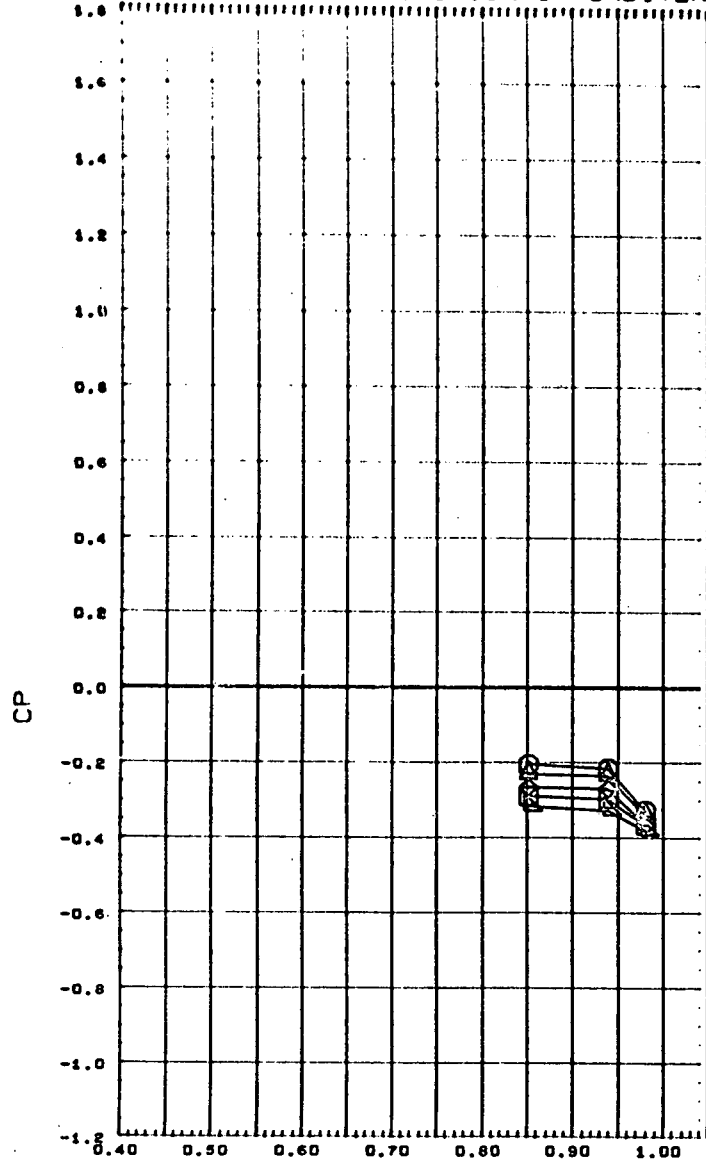


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.324	0.289	1.300
△	- 5.757	0.399	
◇	- 4.435		
□	- 1.782		
▽	0.167		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

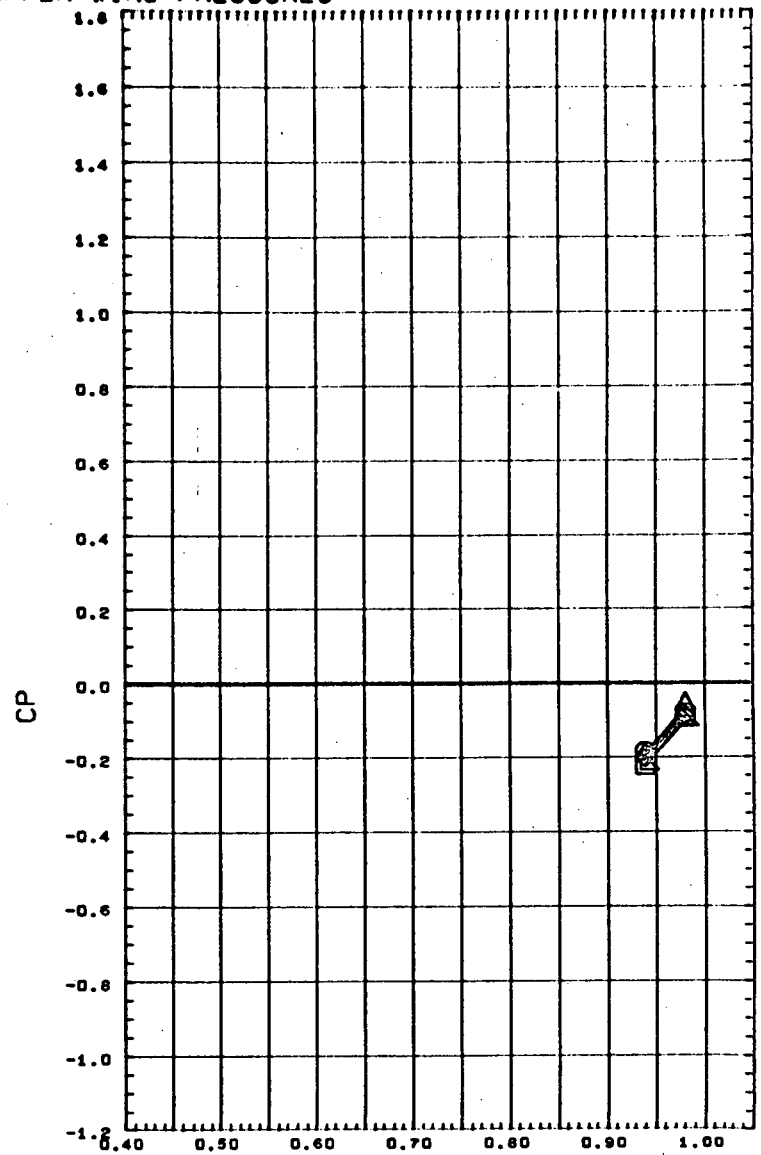
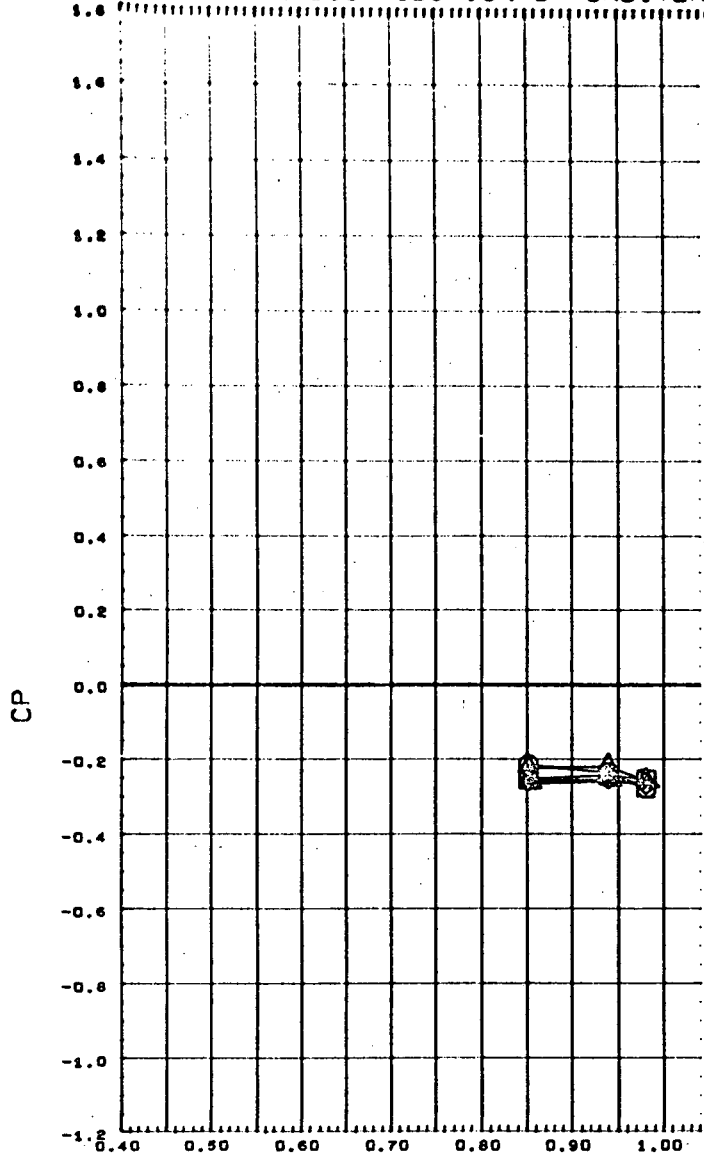


SYMBOL	X/L		
	ALFB	Y/B	M1
○	2.176	0.289	1.300
△	4.176	0.399	
◇	5.526		
□	8.201		
▽	10.165		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

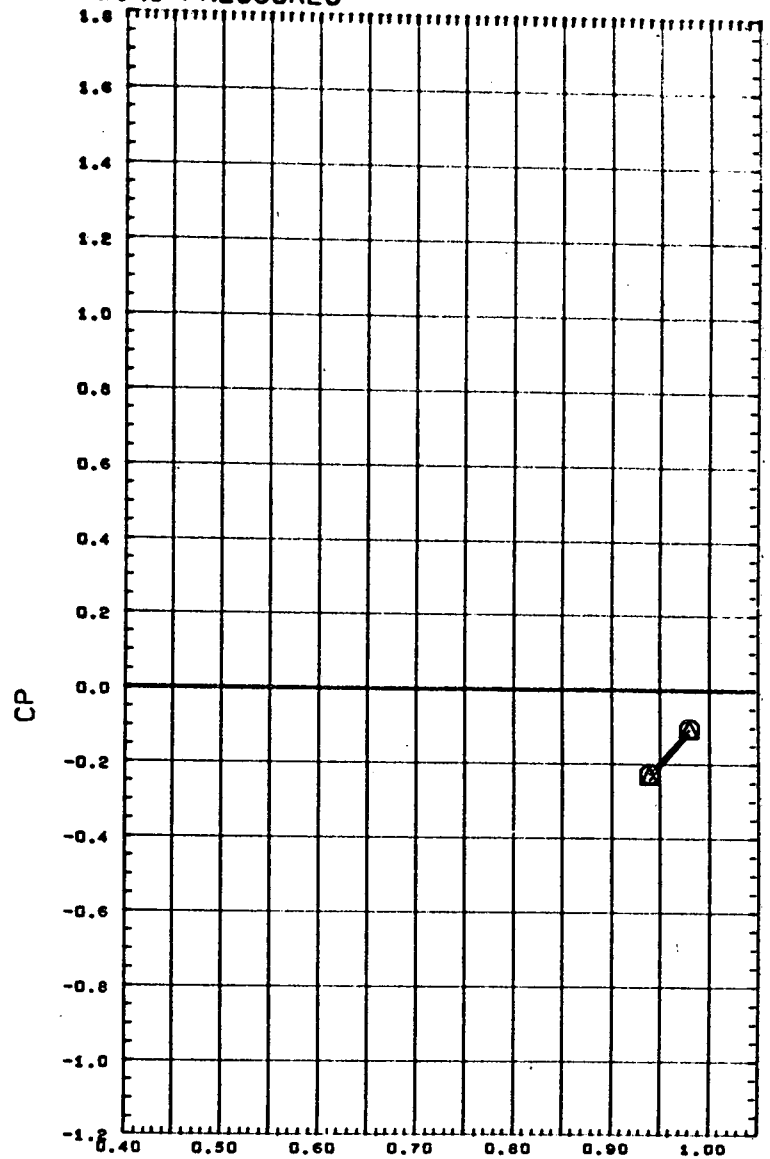
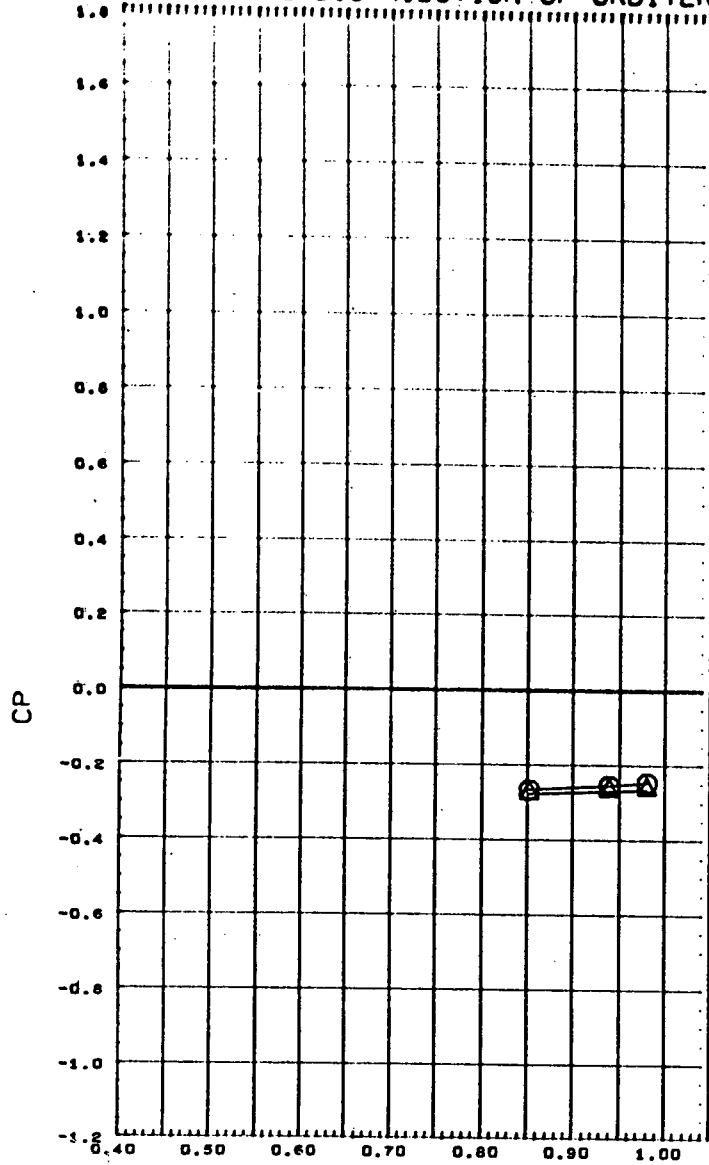


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.037	0.289	0.599
△	- 4.023	0.399	
◇	- 1.978		
□	- 0.265		
▽	1.756		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL \bigcirc
 Δ

BETA	Y/B	M1
3.761	0.289	0.599
5.835	0.399	

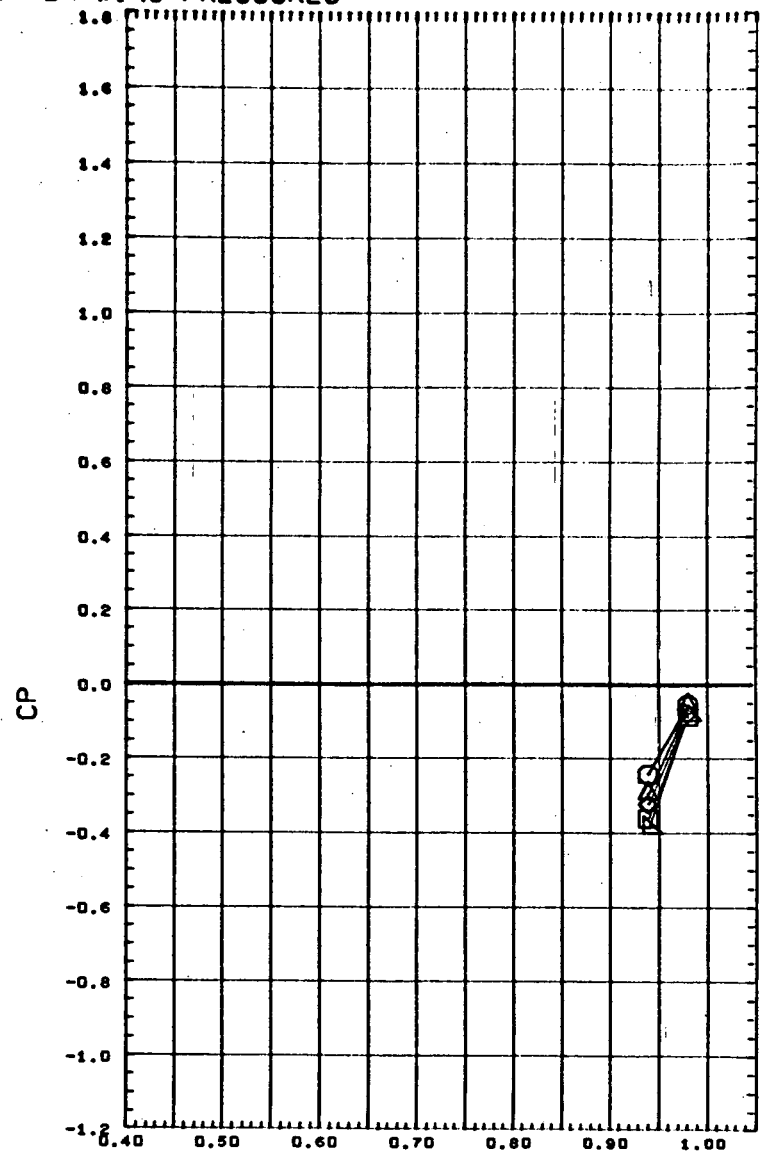
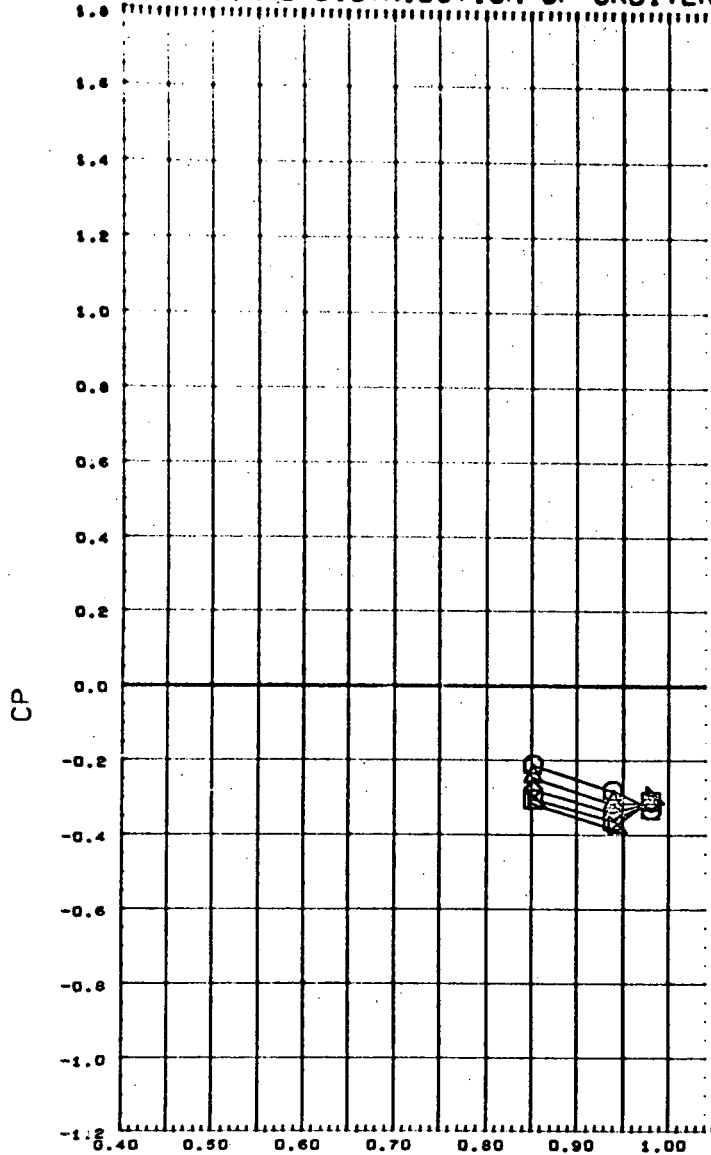
X/L
 PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

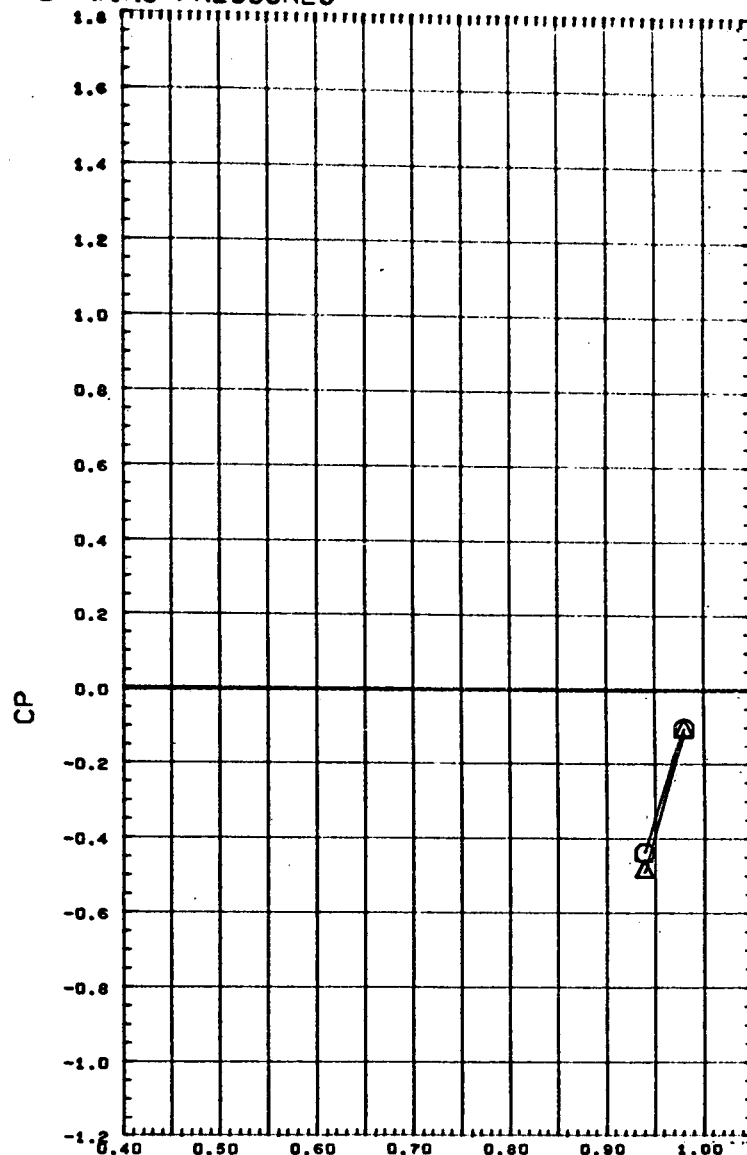
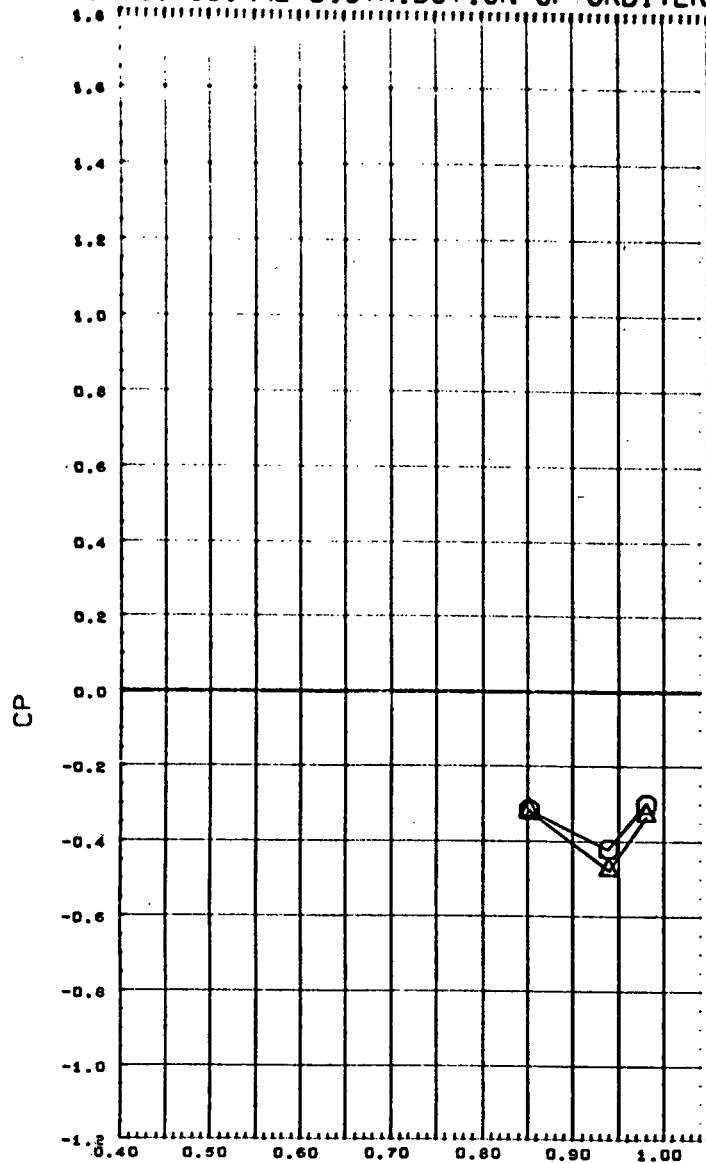


X/L			
SYMBOL	BETA	Y/B	M1
○	6.113	0.289	0.899
△	4.054	0.399	
◇	2.008		
□	0.259		
—	1.804		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	3.845	0.289	0.899
△	5.924	0.399	

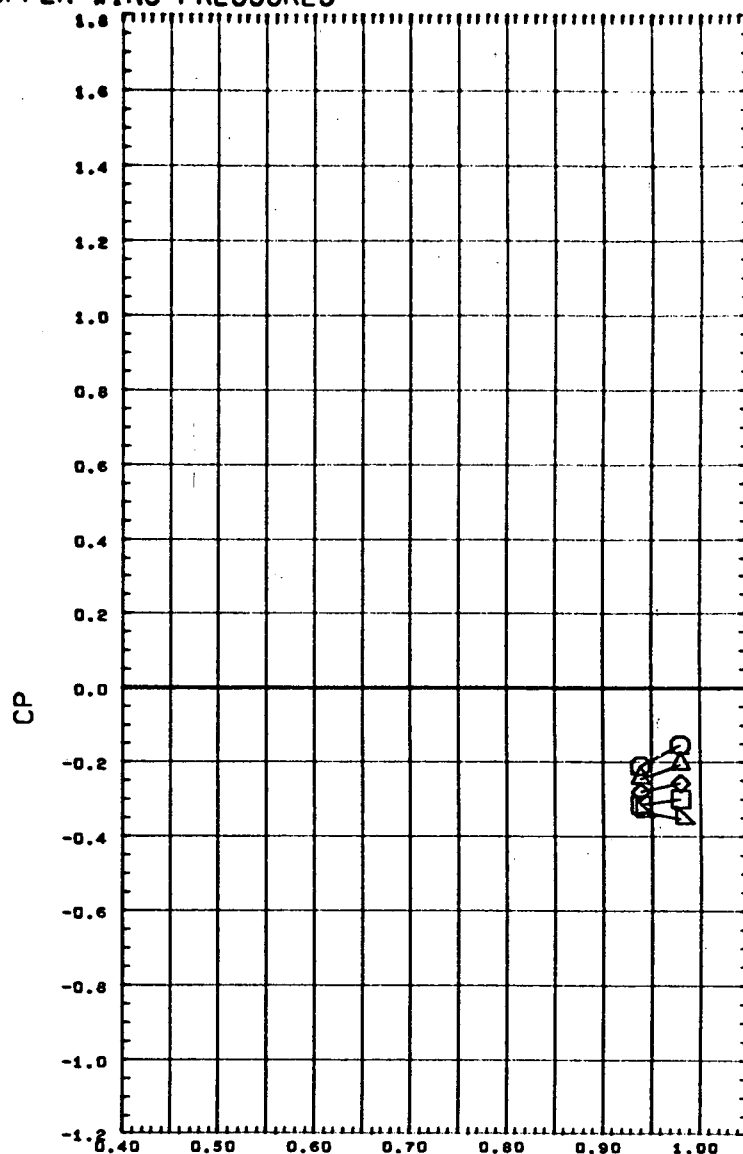
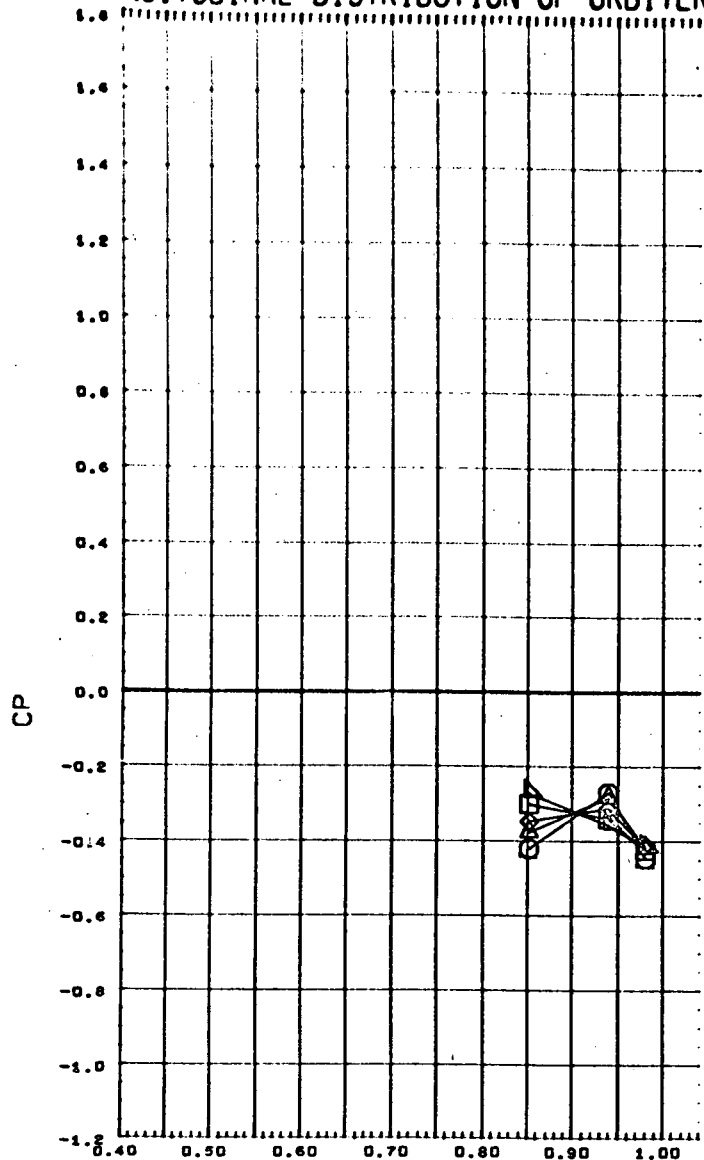
X/L		PARAMETRIC VALUES	
ALFB	0.000	OX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC006)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

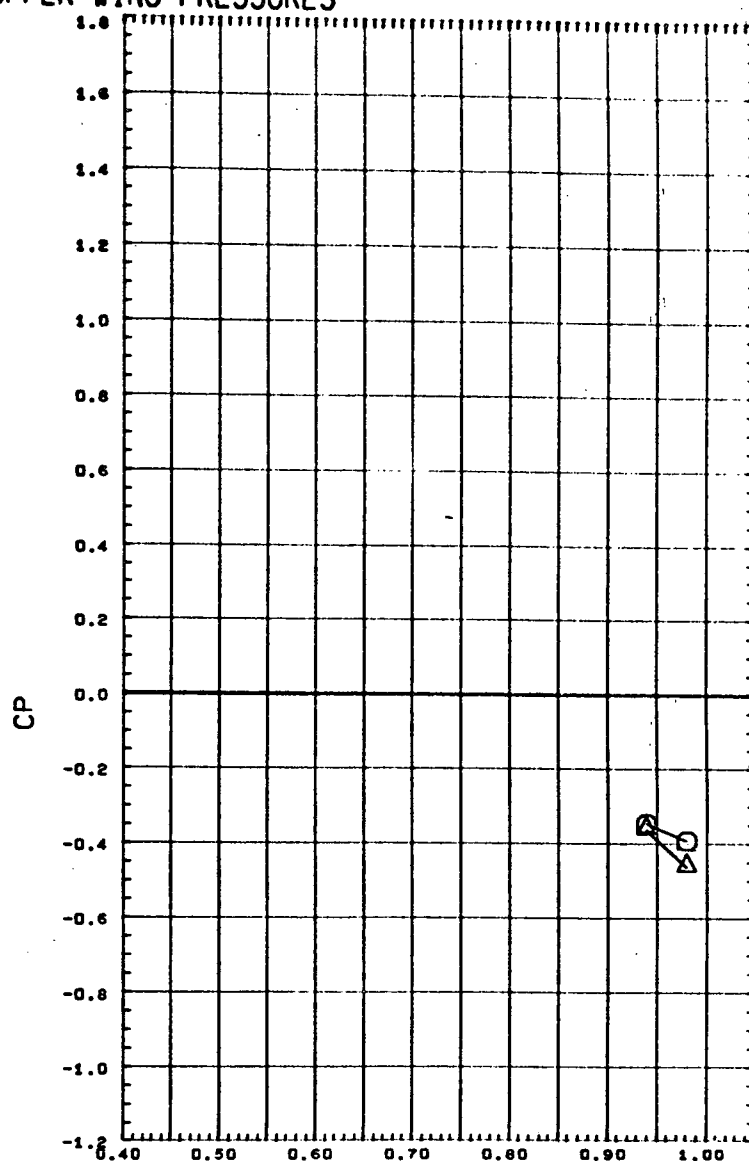
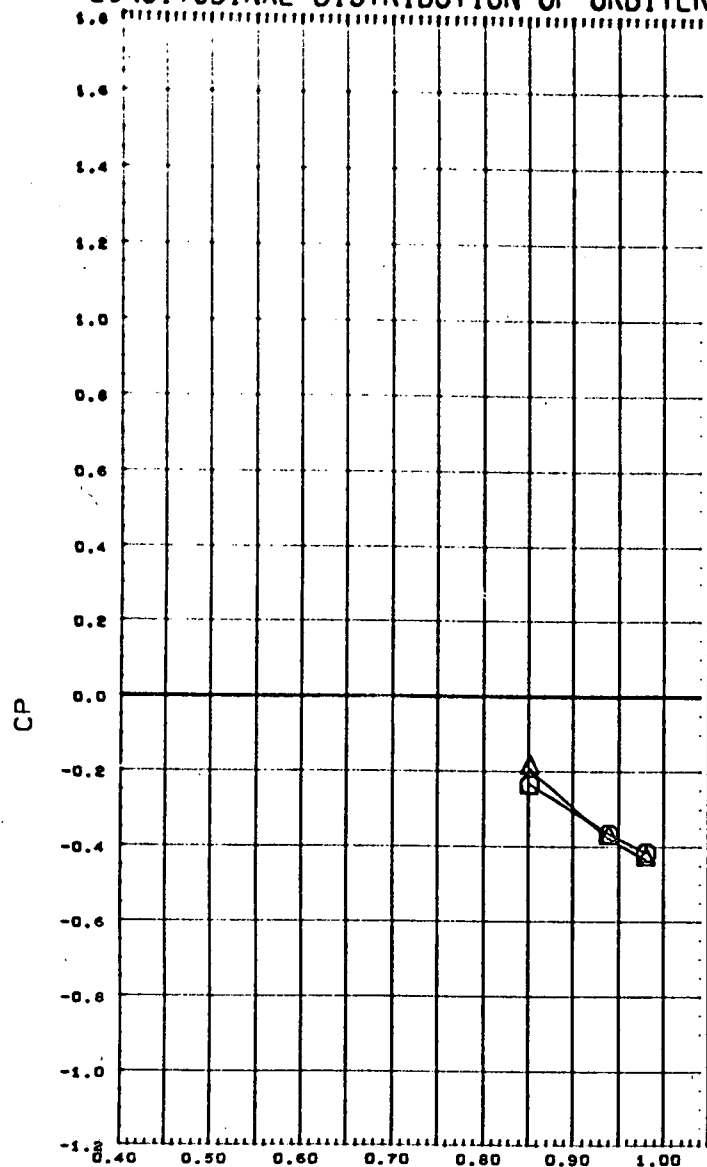


SYMBOL	BETA	Y/B	M1
○	5.858	0.289	1.004
△	3.758	0.399	
◇	1.727		
□	0.370		
▽	2.147		

REFERENCE FILE

PARAMETRIC VALUES		
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I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

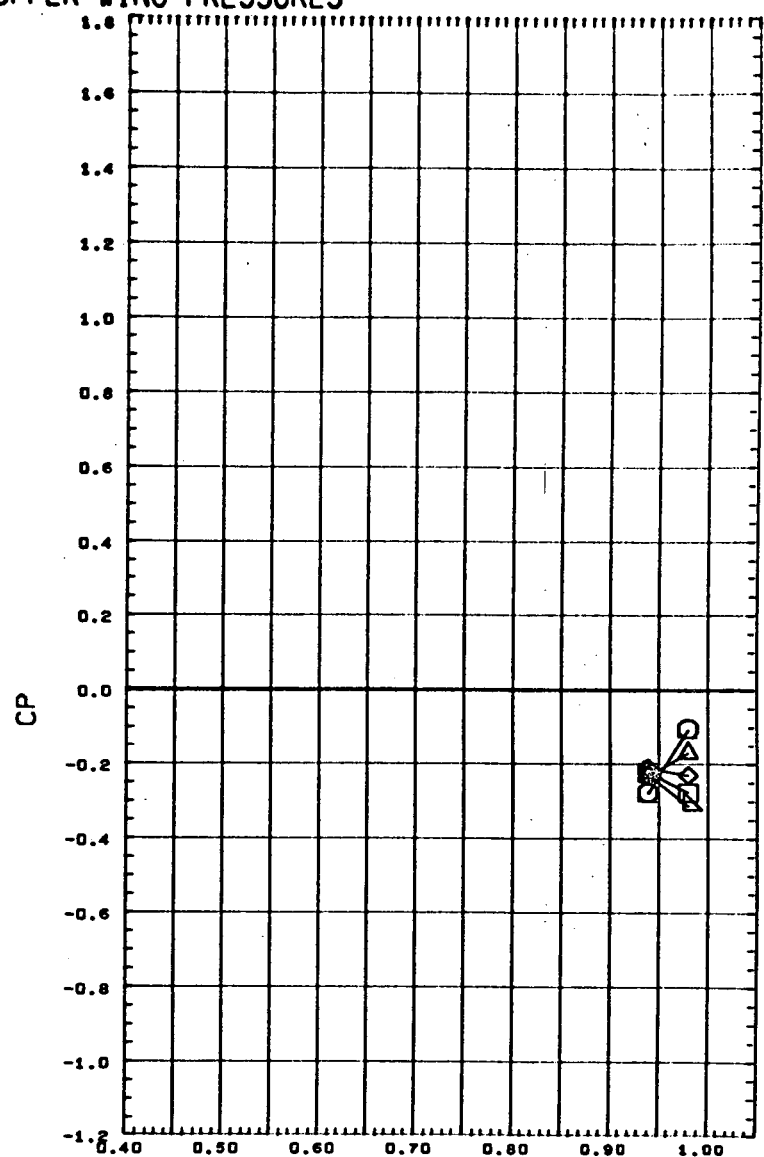
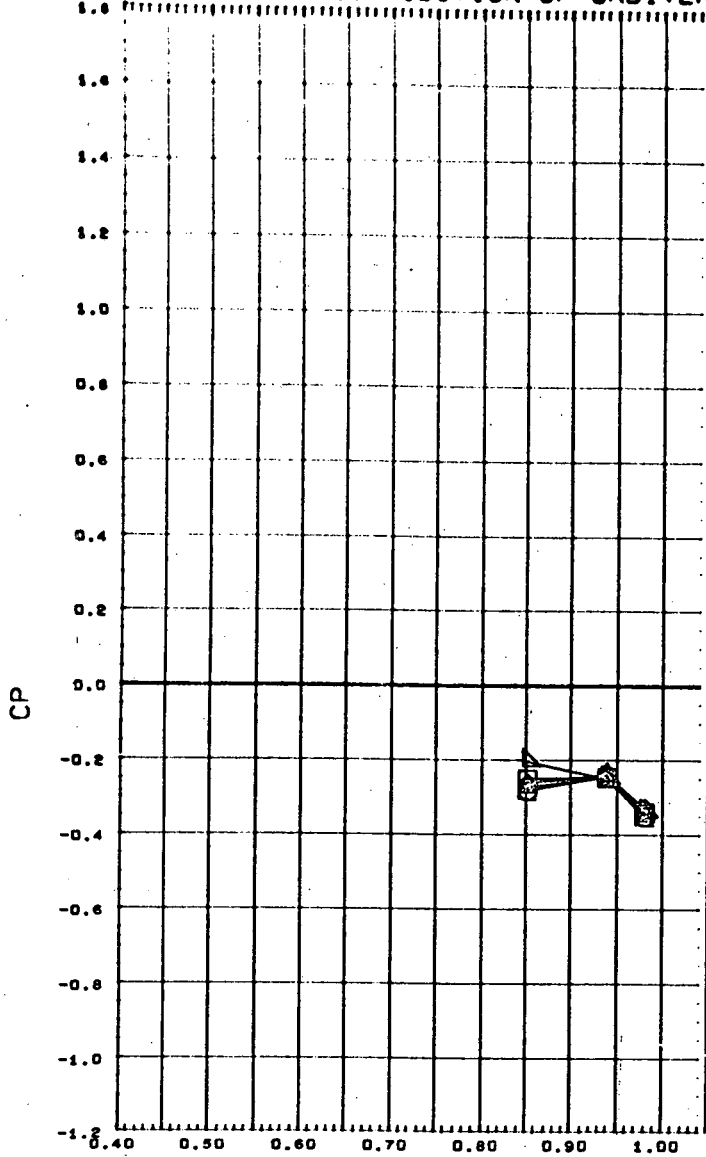


SYMBOL	X/L		
	BETA	Y/B	M1
○	4.227	0.289	1.004
△	6.297	0.399	

X/L			PARAMETRIC VALUES	
ALFB	0.000	DX/L	0.036	
I	0.000			

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

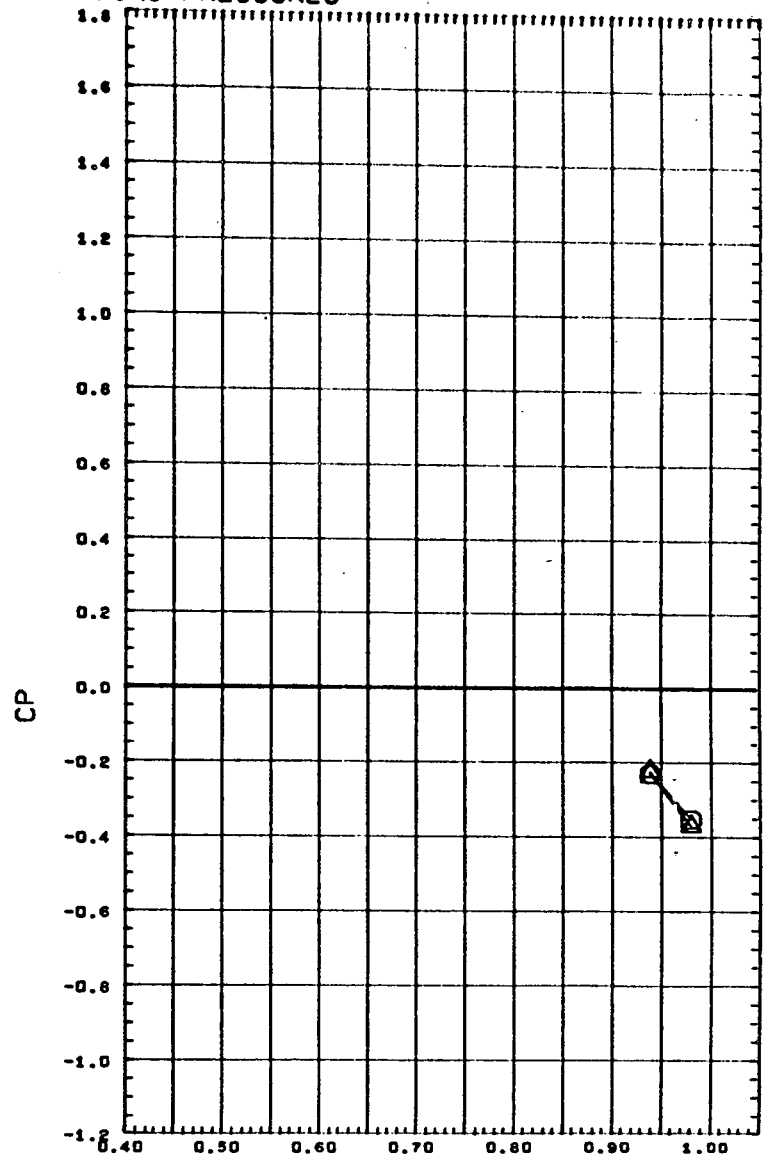
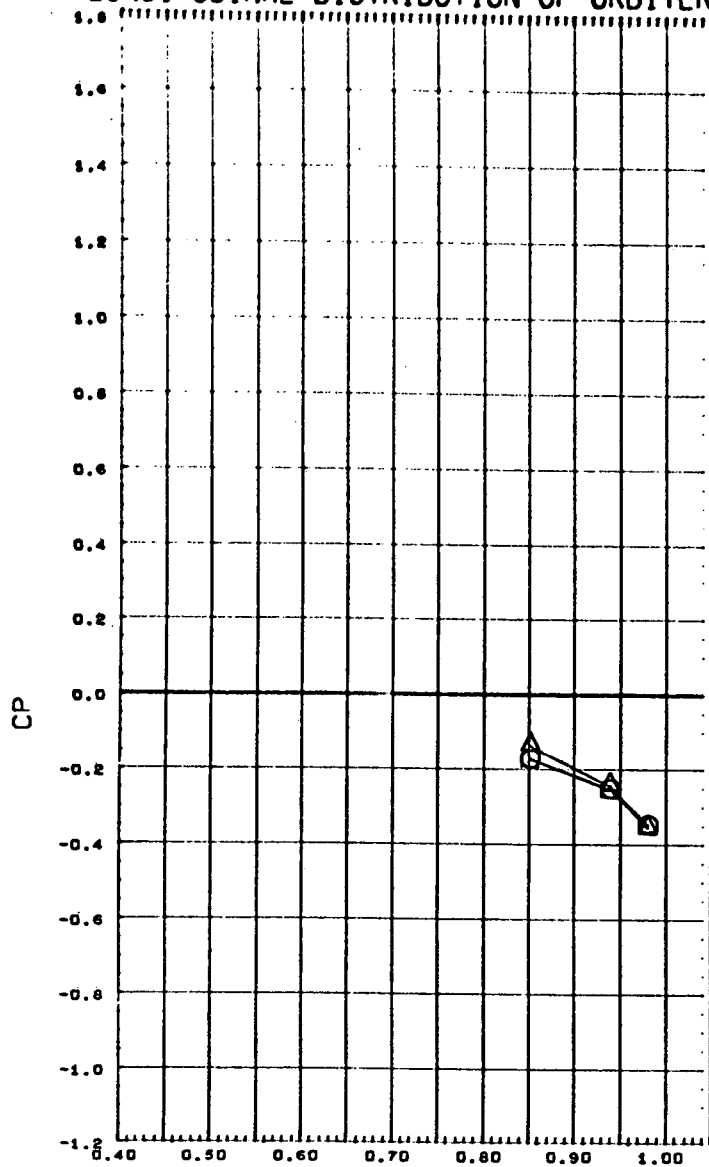


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.178	0.289	1.099
△	- 4.110	0.399	
◇	- 2.033		
□	- 0.268		
▽	1.827		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	OX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

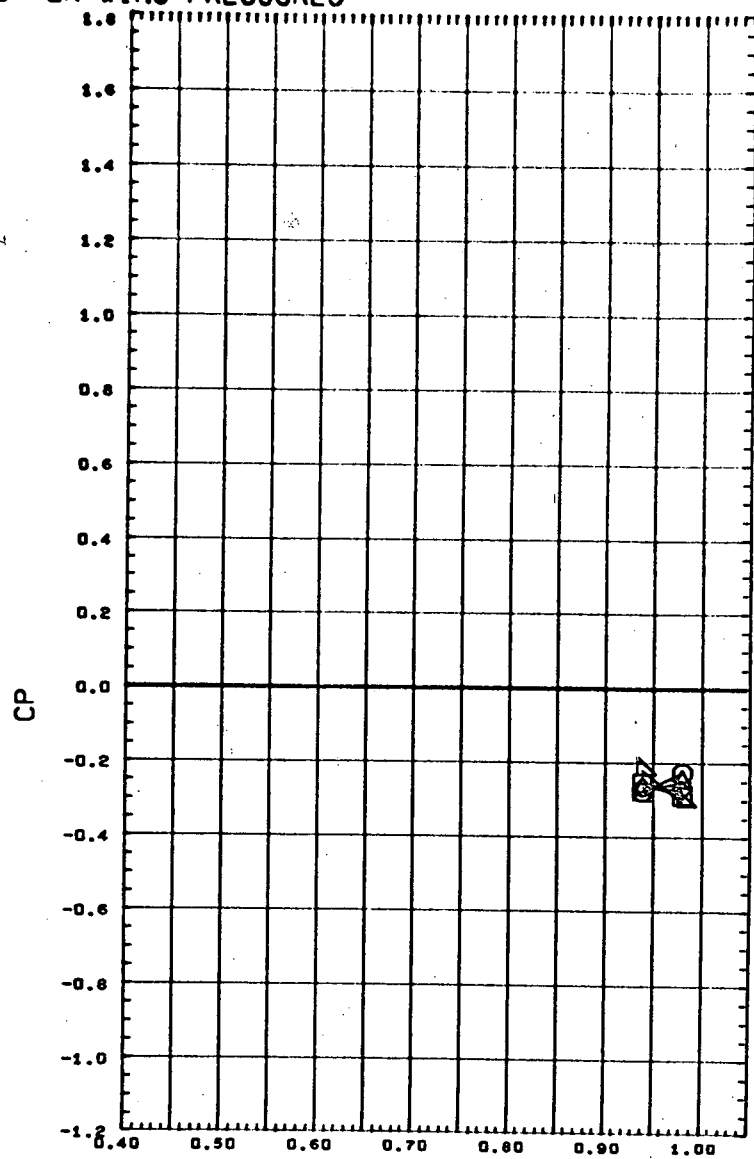
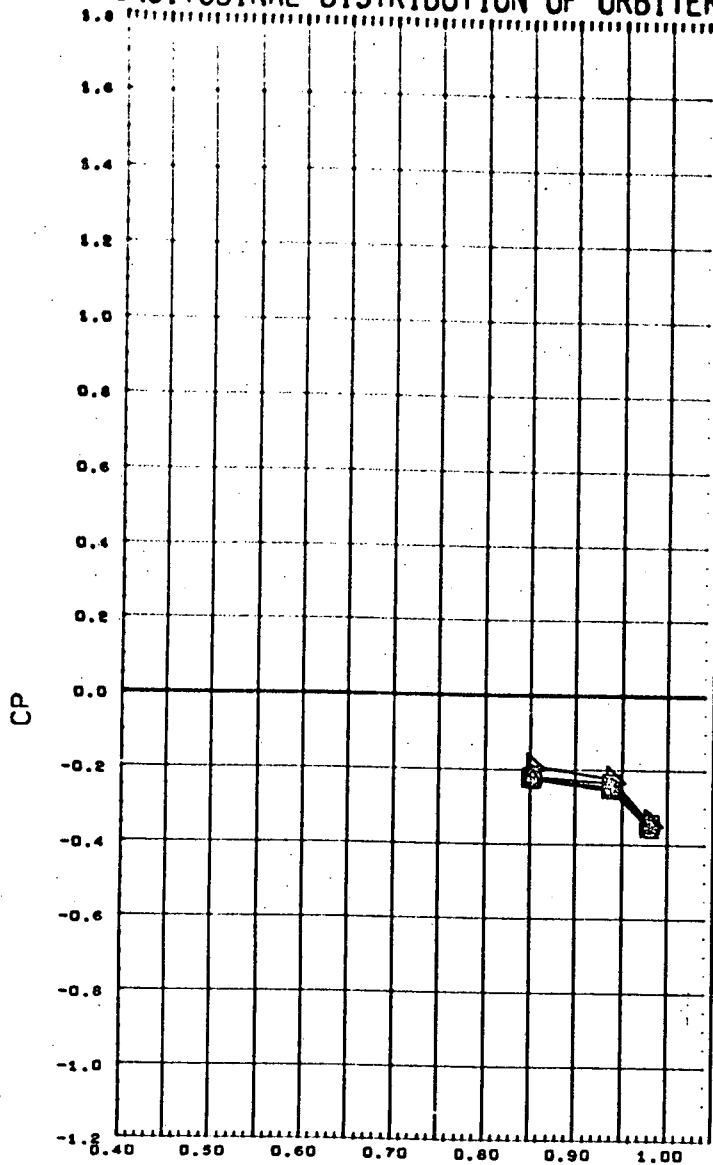


SYMBOL	BETA	Y/B	M1
Δ	3.902	0.289	1.099
\square	5.993	0.399	

PARAMETRIC VALUES		
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I	0.000	0.036

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

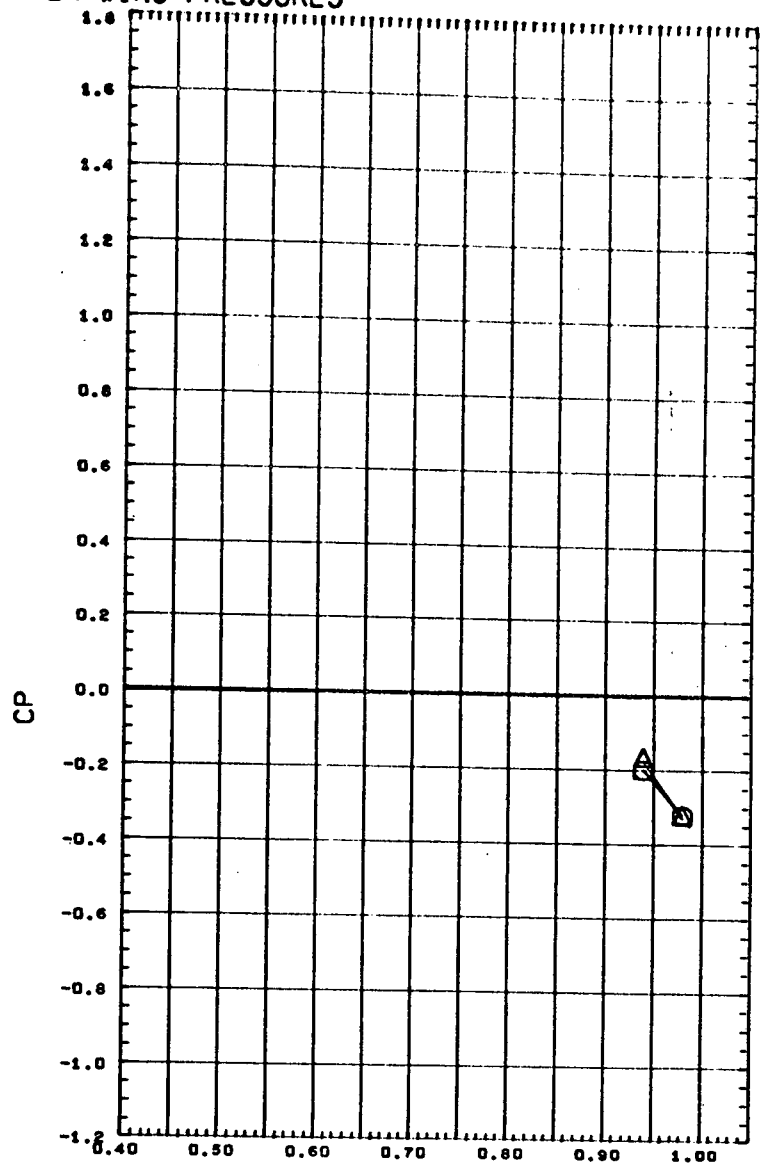
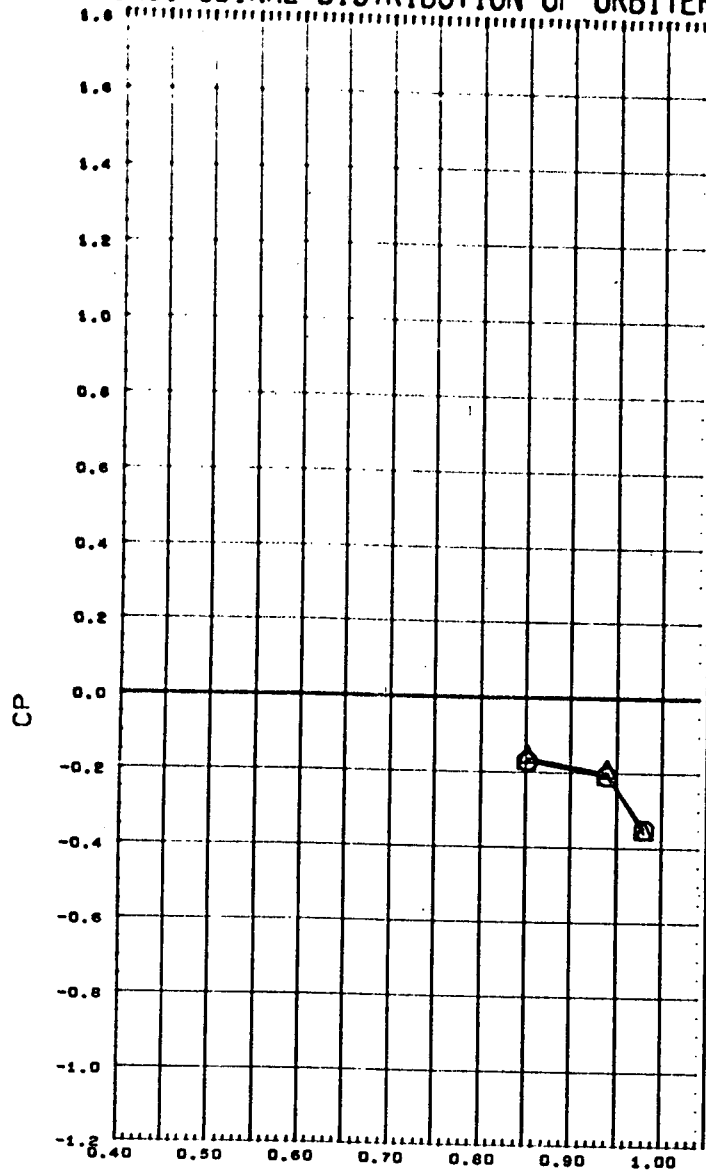


X/L			
SYMBOL	BETA	Y/B	M1
○	- 6.194	0.289	1.201
△	- 4.117	0.399	
◇	- 1.825		
□	- 0.517		
▽	1.830		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
ALFB	0.000	DX/L	0.036
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL Δ
 BETA 3.904
 Y/B 0.269
 M1 1.201
 5.997 0.399

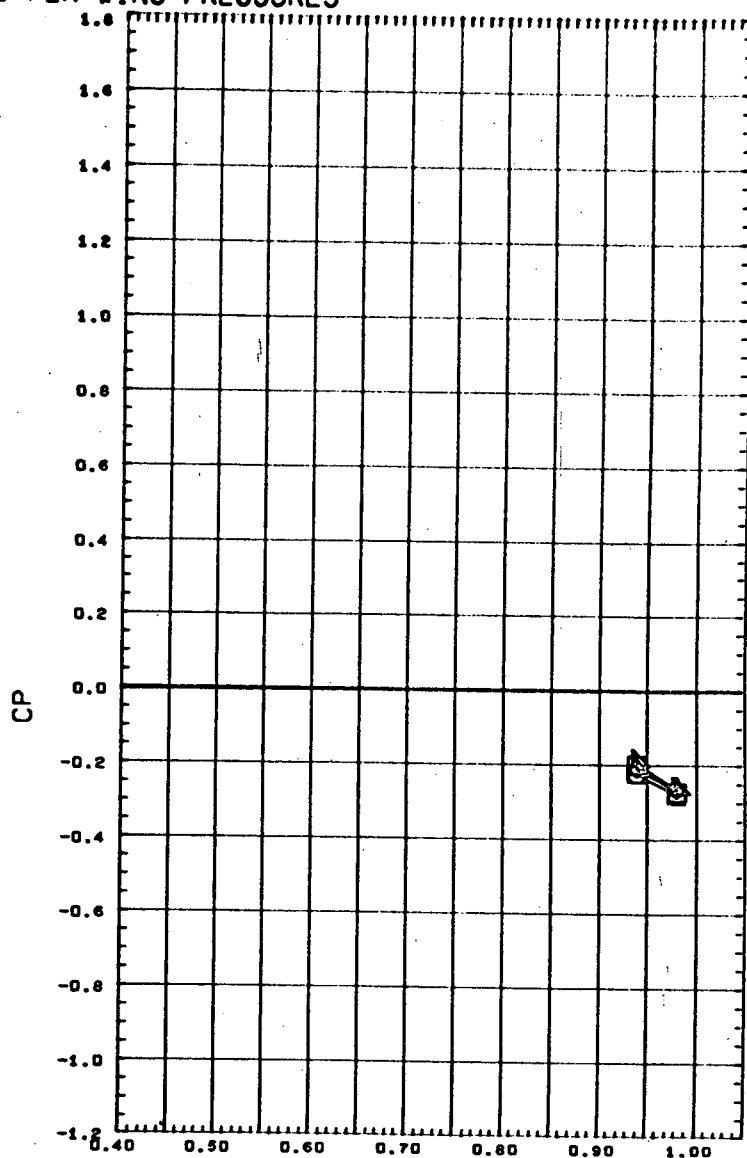
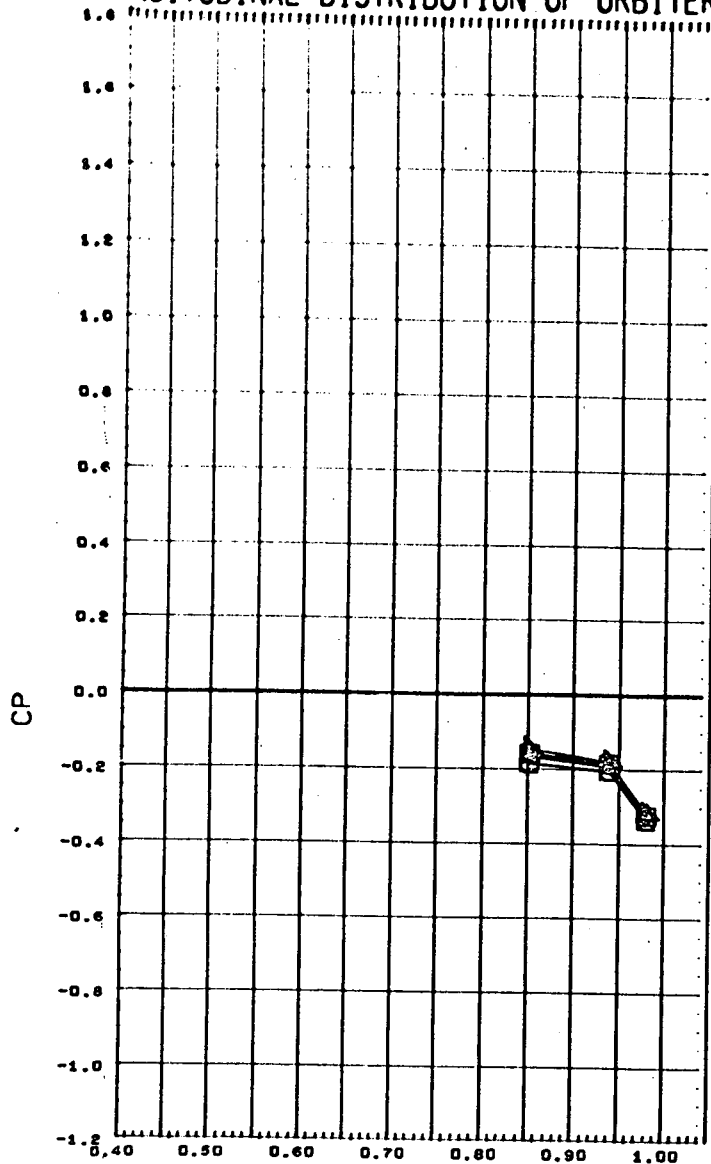
X/L
 PARAMETRIC VALUES
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 I 0.000
 DX/L 0.036

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

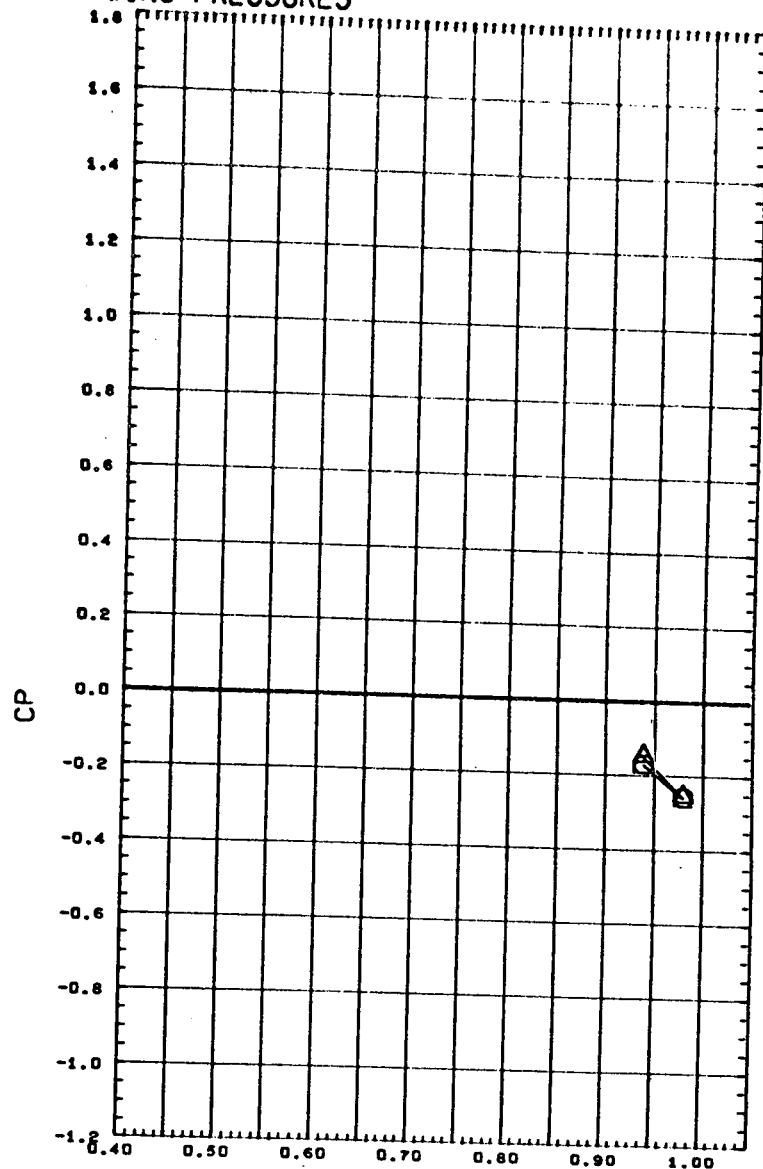
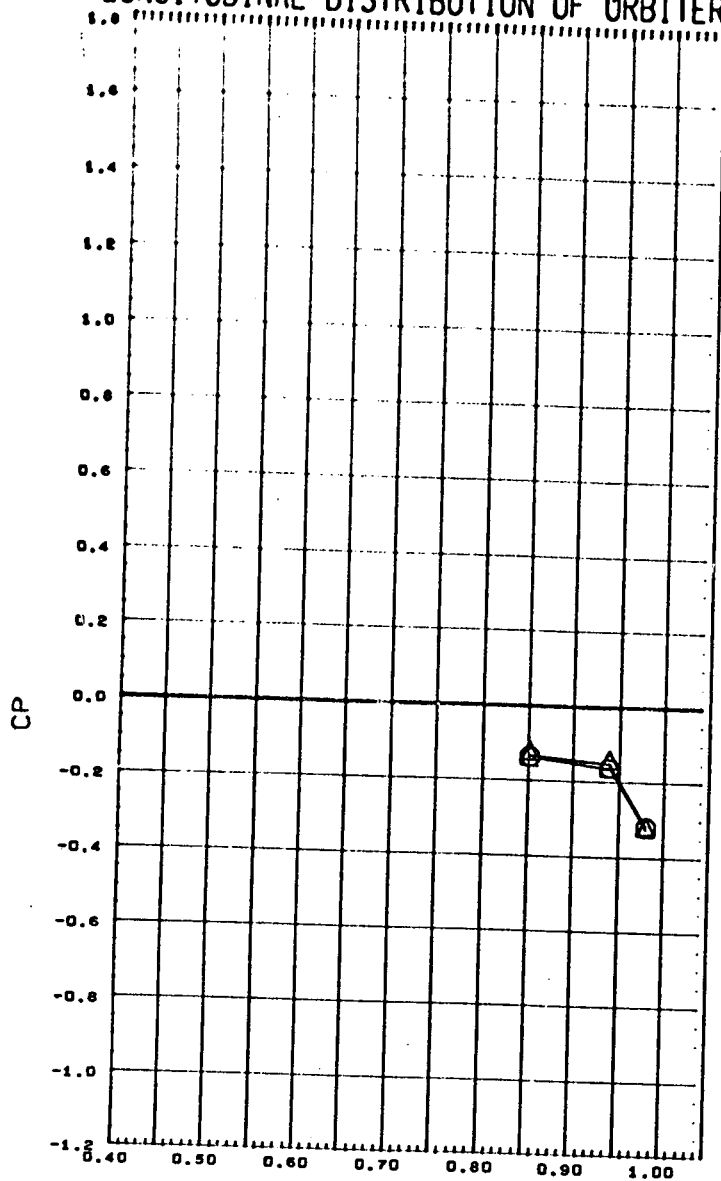


X/L			
SYMBOL	BETA	Y/B	M1
○	6.217	0.289	1.299
△	4.137	0.399	
◇	2.051		
□	0.270		
▽	1.816		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
ALFB	0.000	DX/L
I	0.000	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL Δ
 BETA 3.862
 Y/B 0.289
 M1 1.299
 9.980 0.399

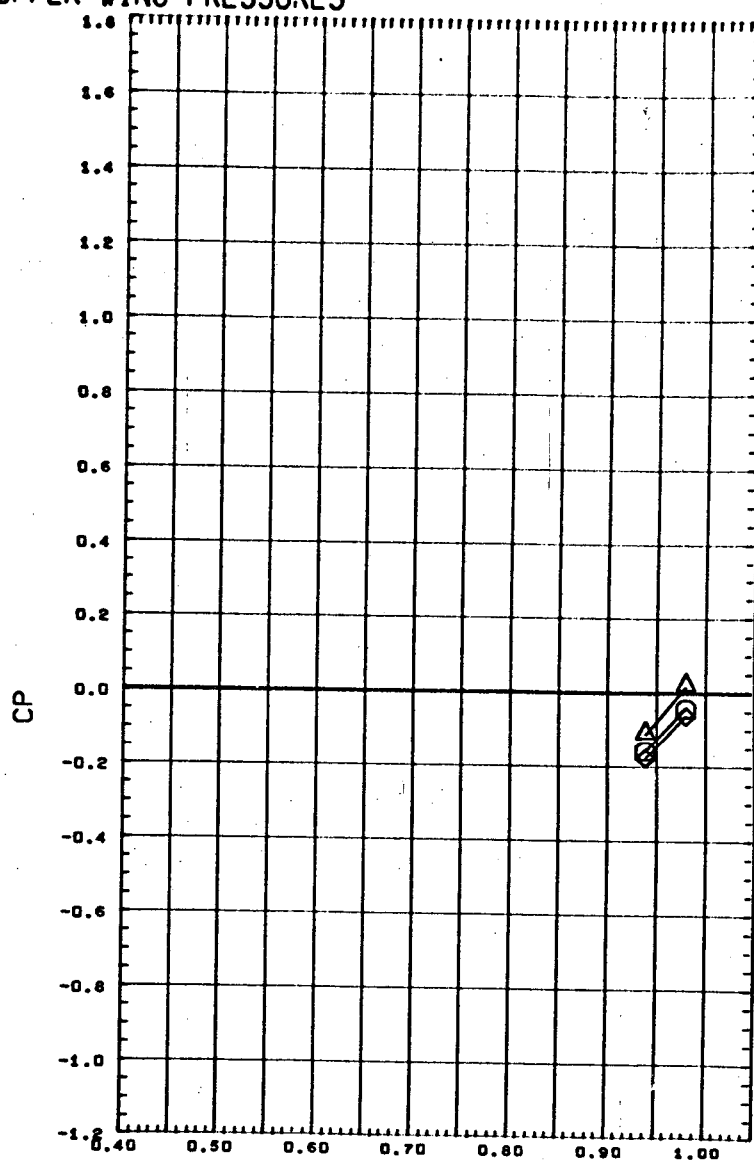
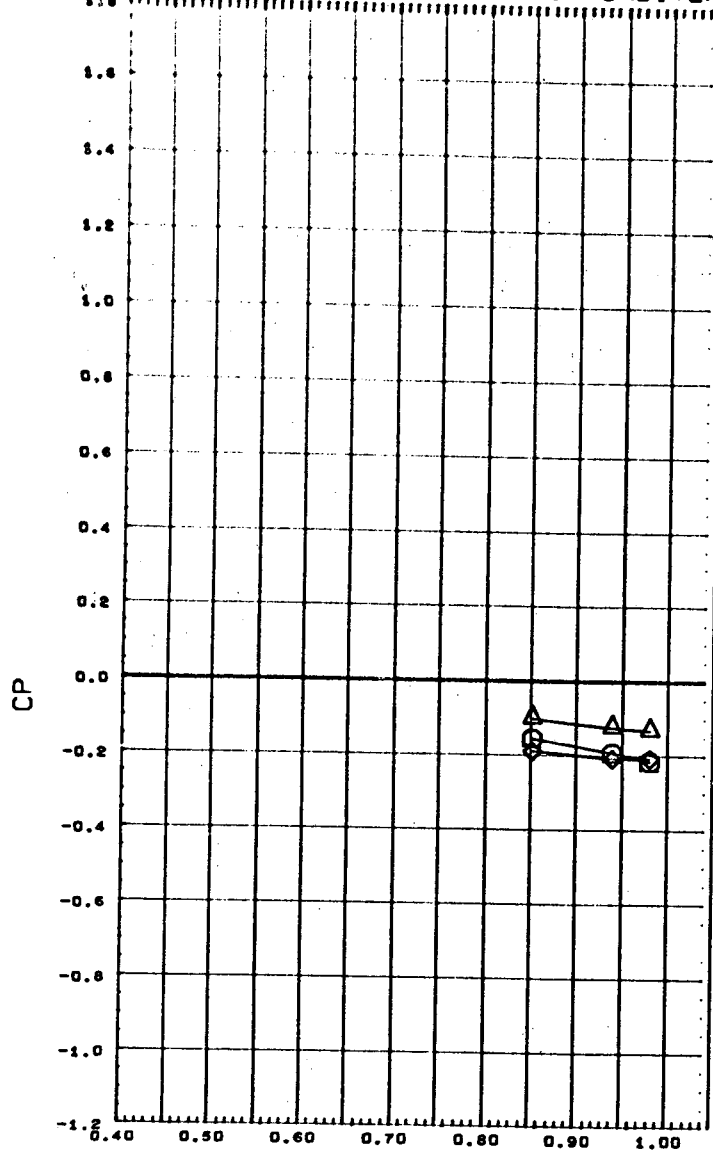
X/L
 PARAMETRIC VALUES
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 I 0.000 DX/L 0.036

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.097	0.289	0.599
△	0.032	0.399	
◇	4.299		

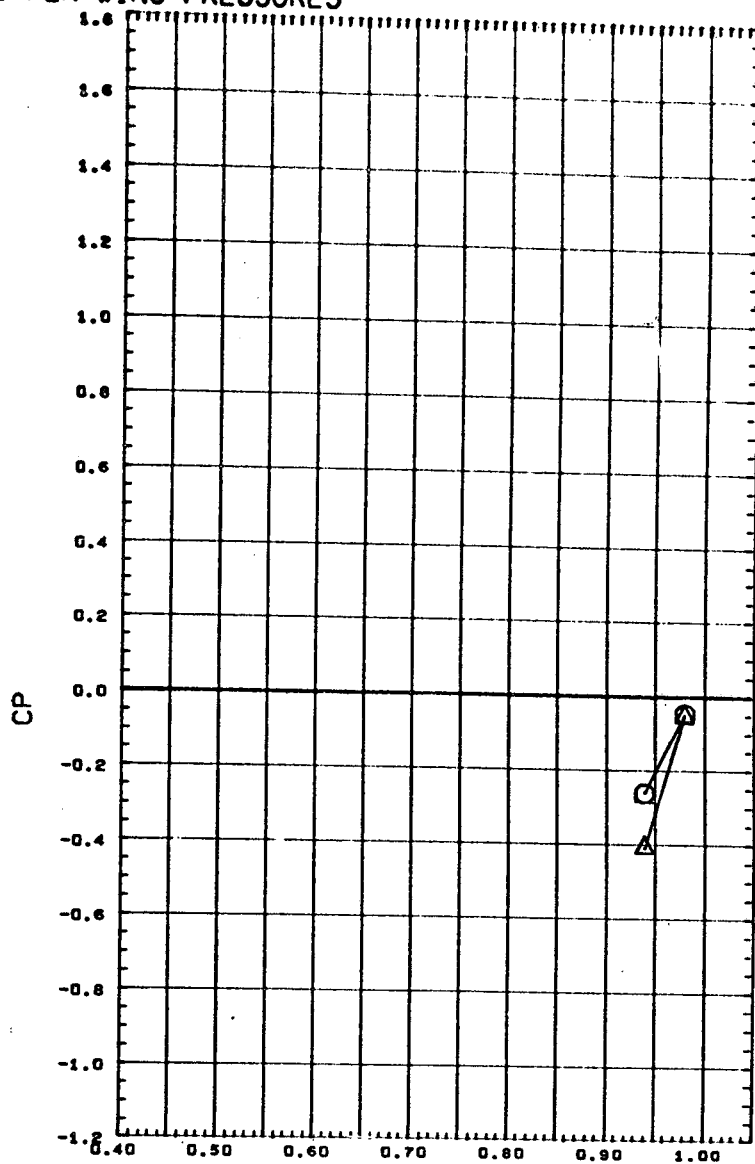
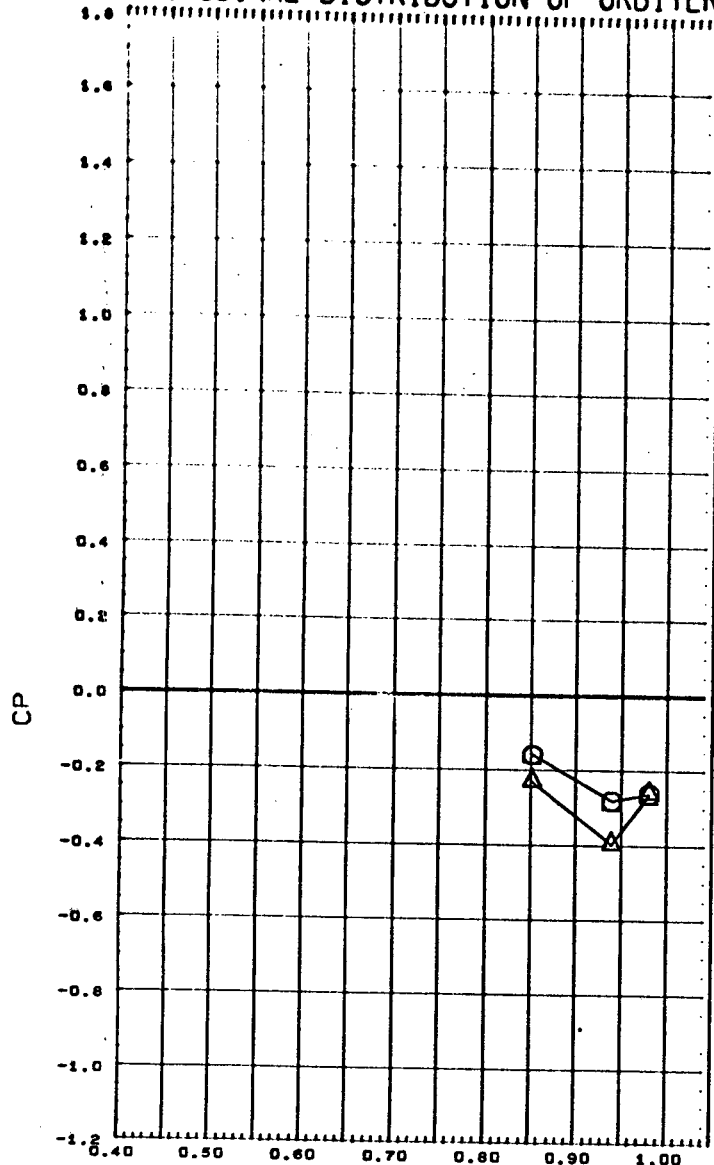
X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○ △	4.138	0.289	0.901
	4.250	0.399	

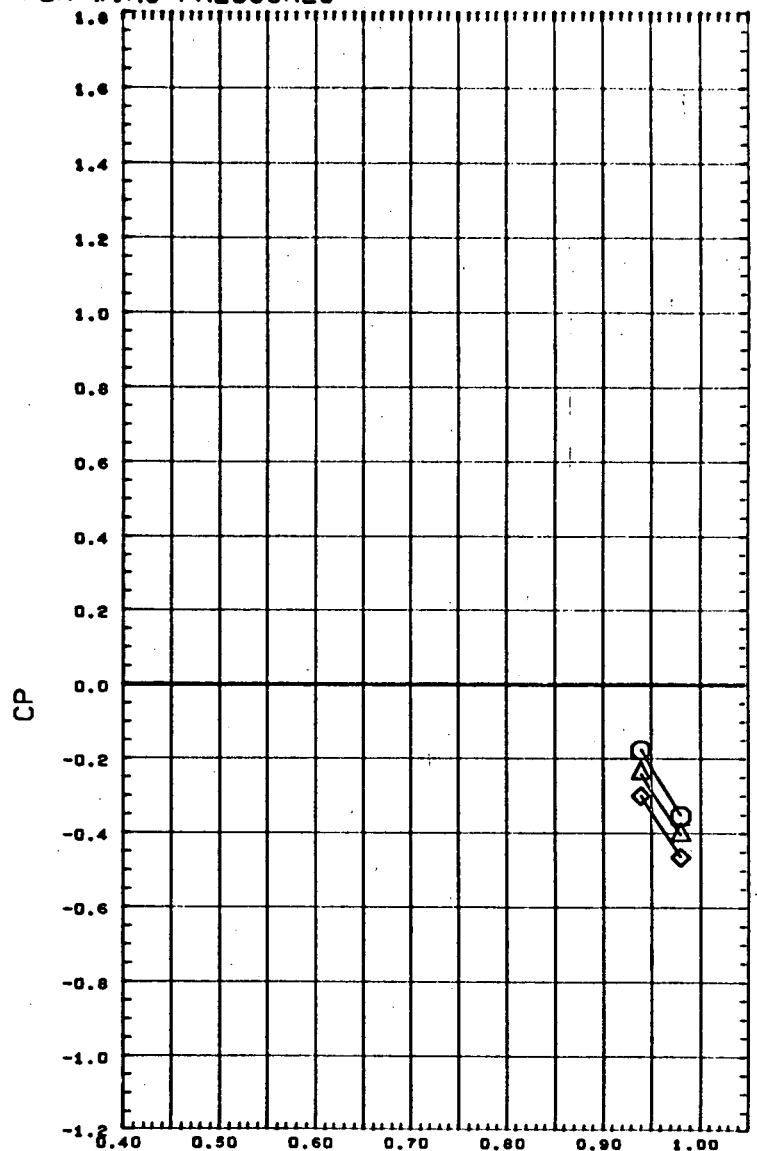
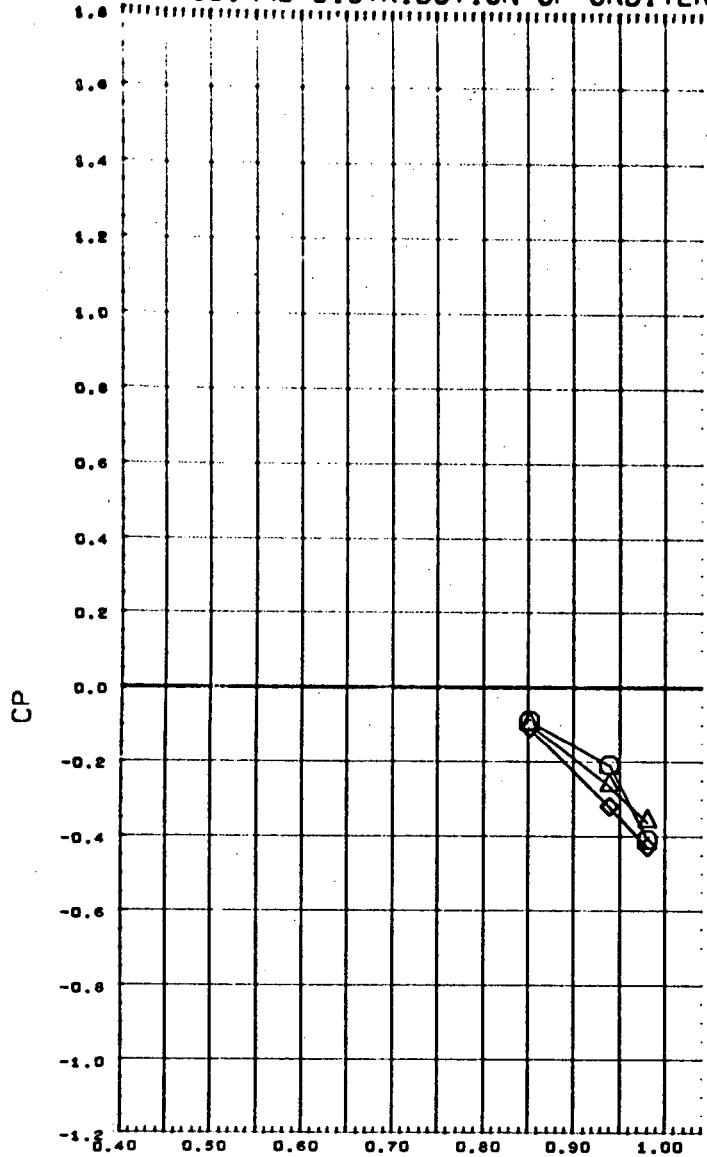
X/L			
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	4.168	0.289	0.995
△	0.062	0.399	
◇	4.315		

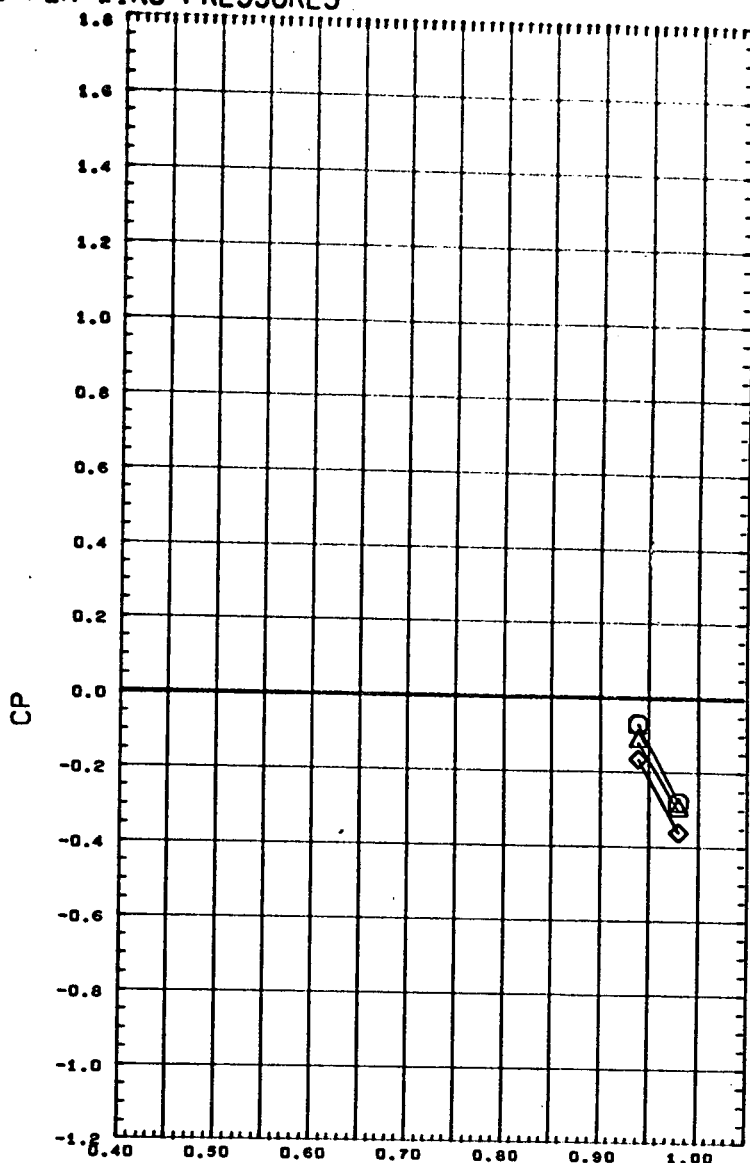
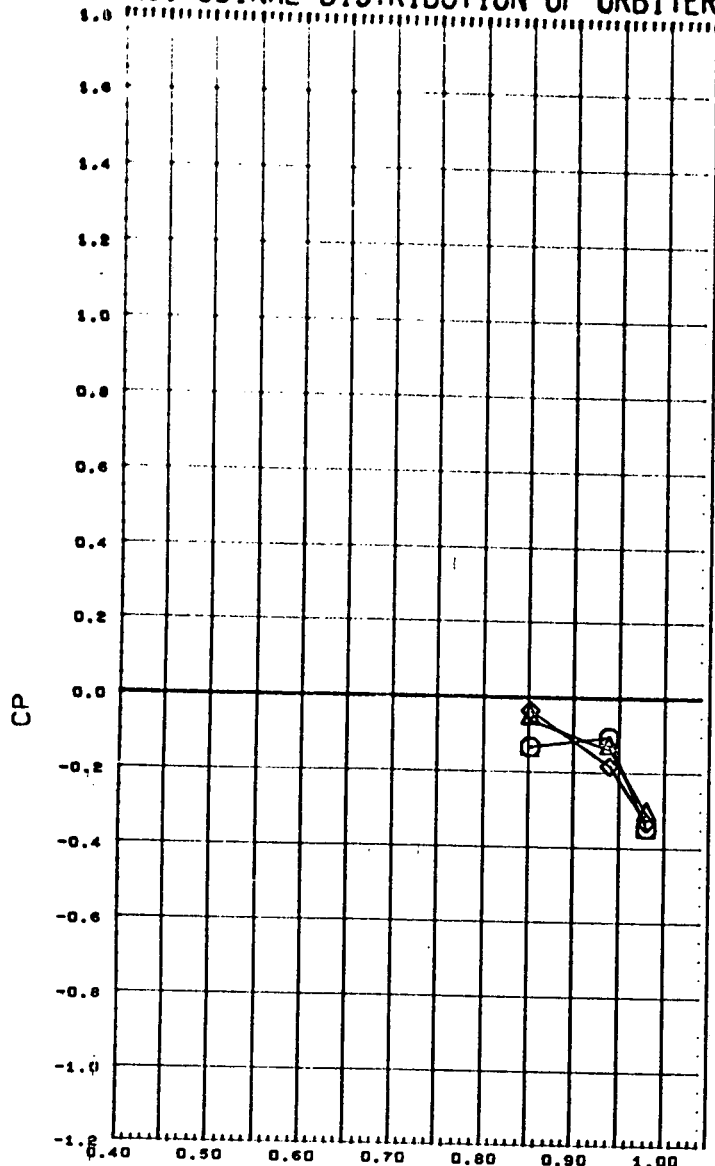
X/L		
PARAMETRIC VALUES		
ALFB	- 6.000	DX/L 0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	X/L
○	4.195	0.289	1.100
△	0.061	0.399	
◇	4.344		

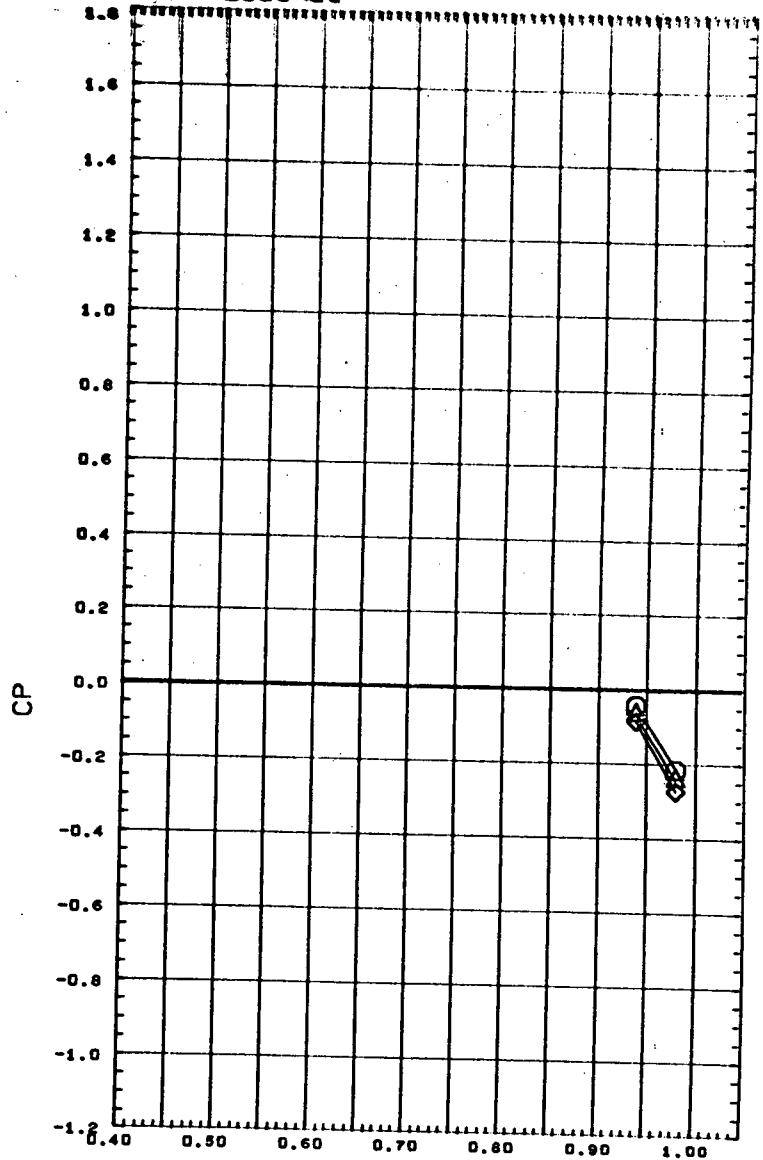
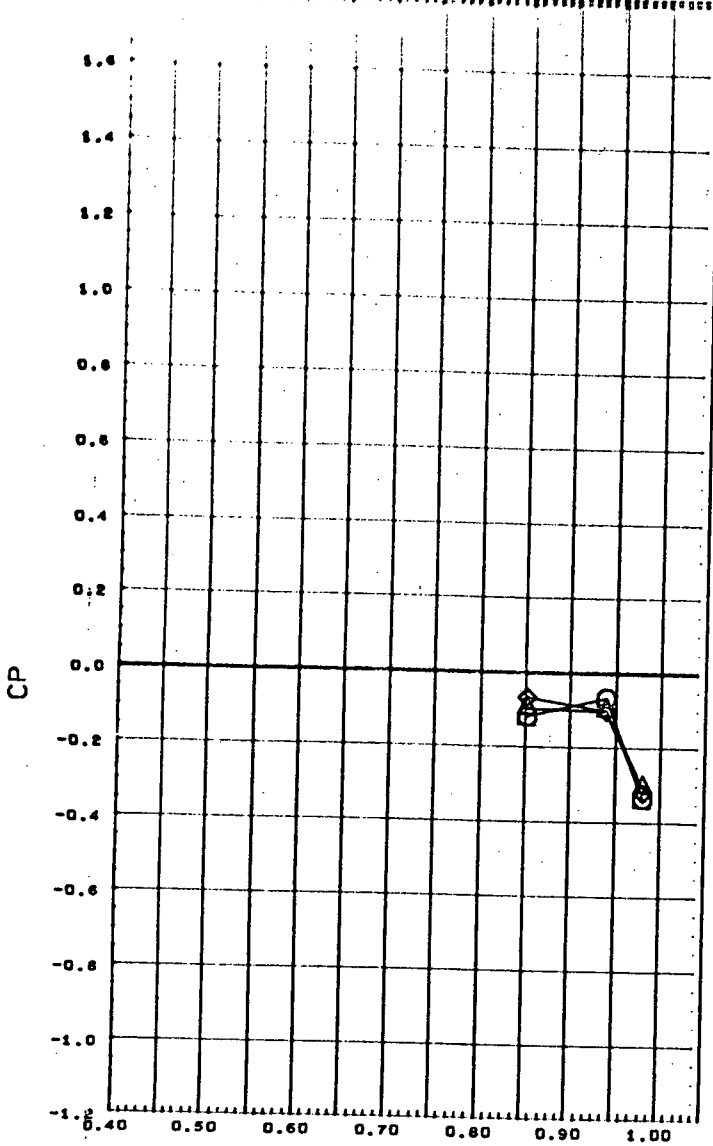
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.213	0.289	1.199
△	0.048	0.399	
◇	4.359		

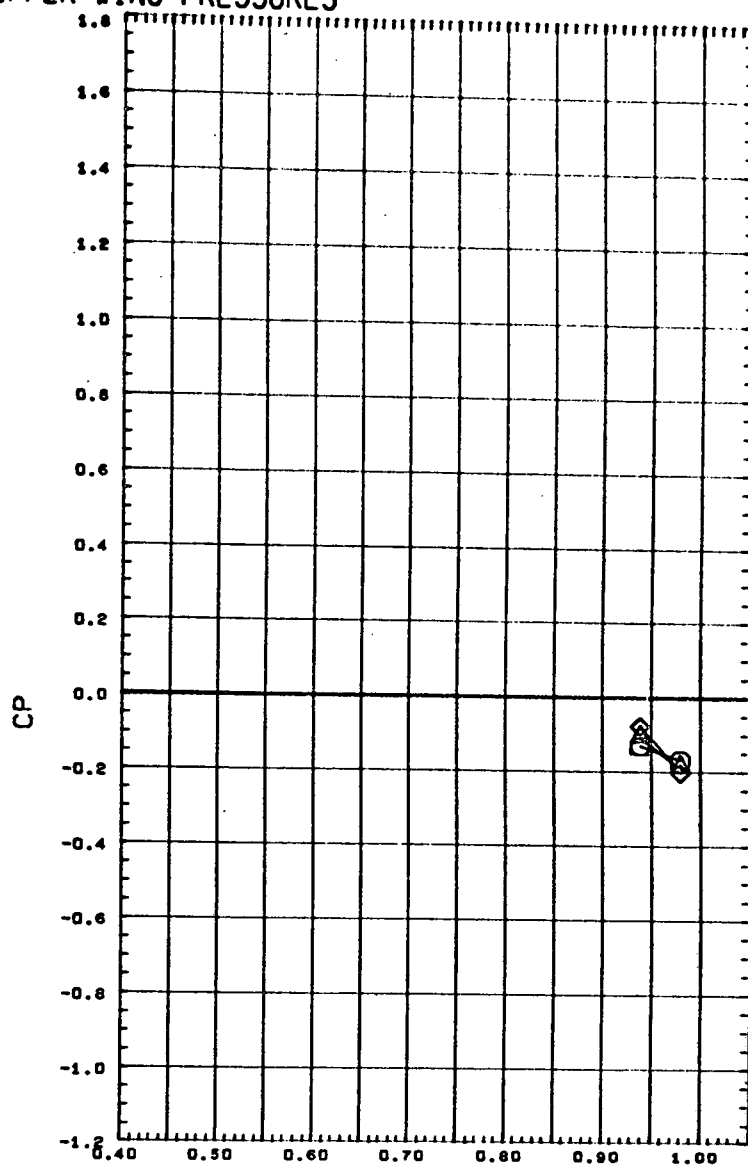
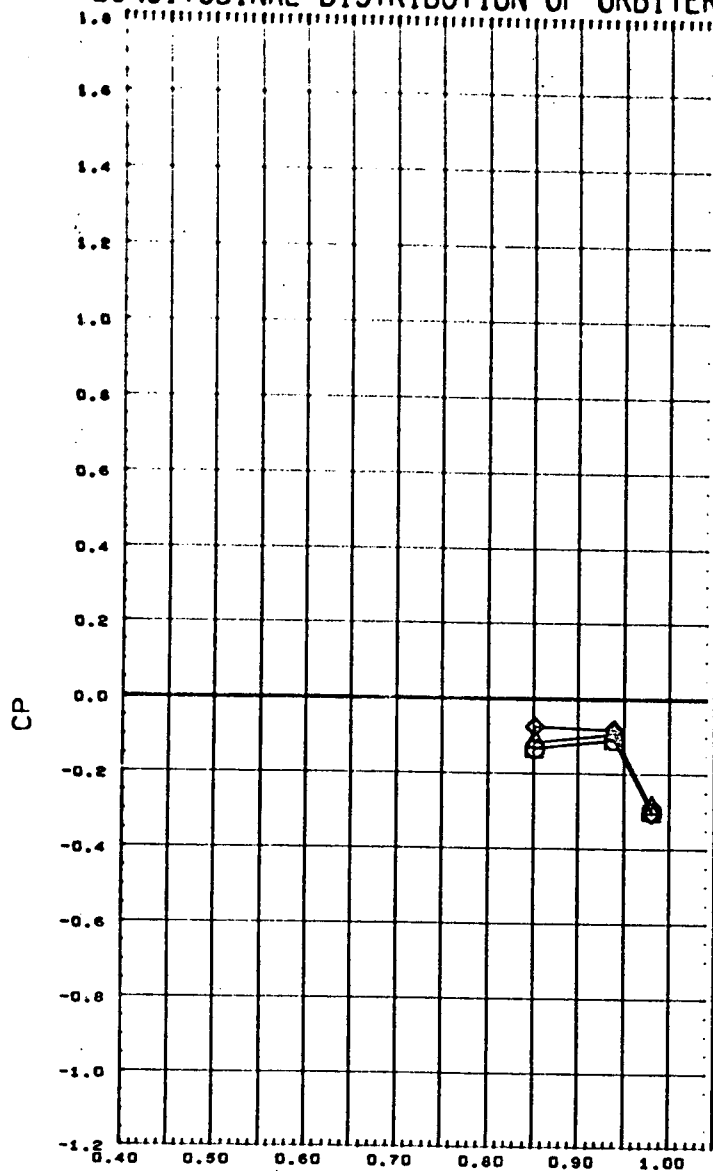
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC007)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	BETA	Y/B	M1
○	4.204	0.289	1.297
△	0.035	0.399	
◇	4.318		

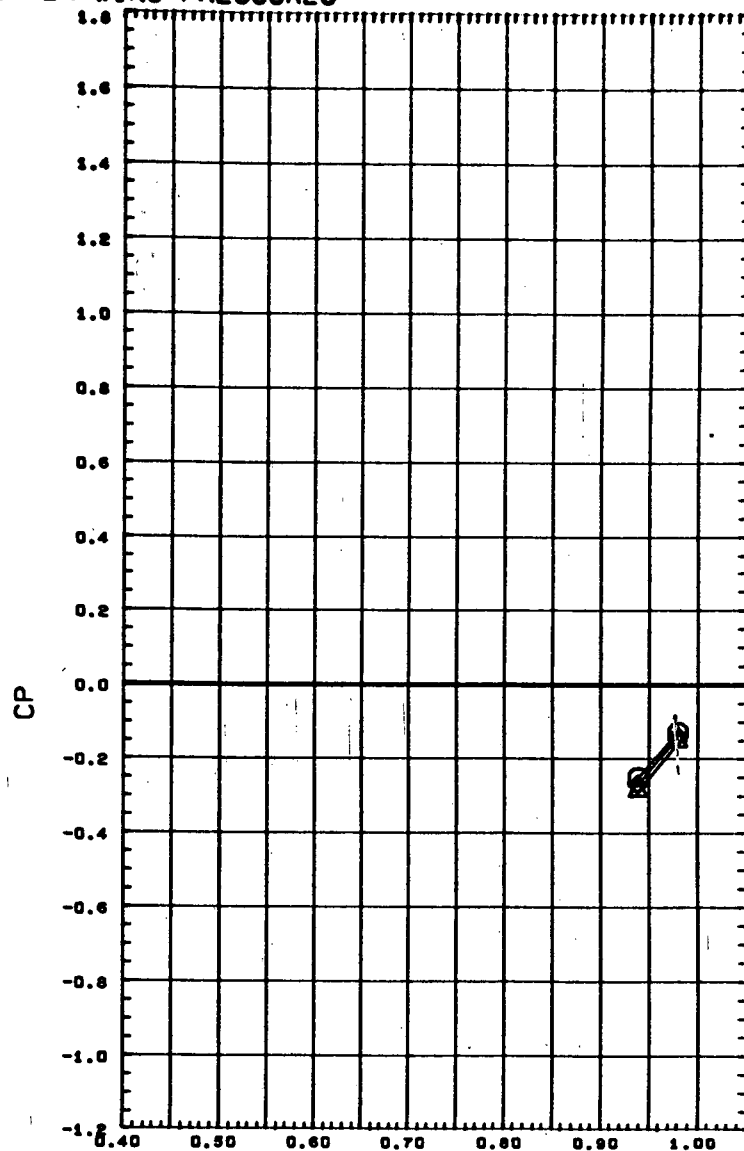
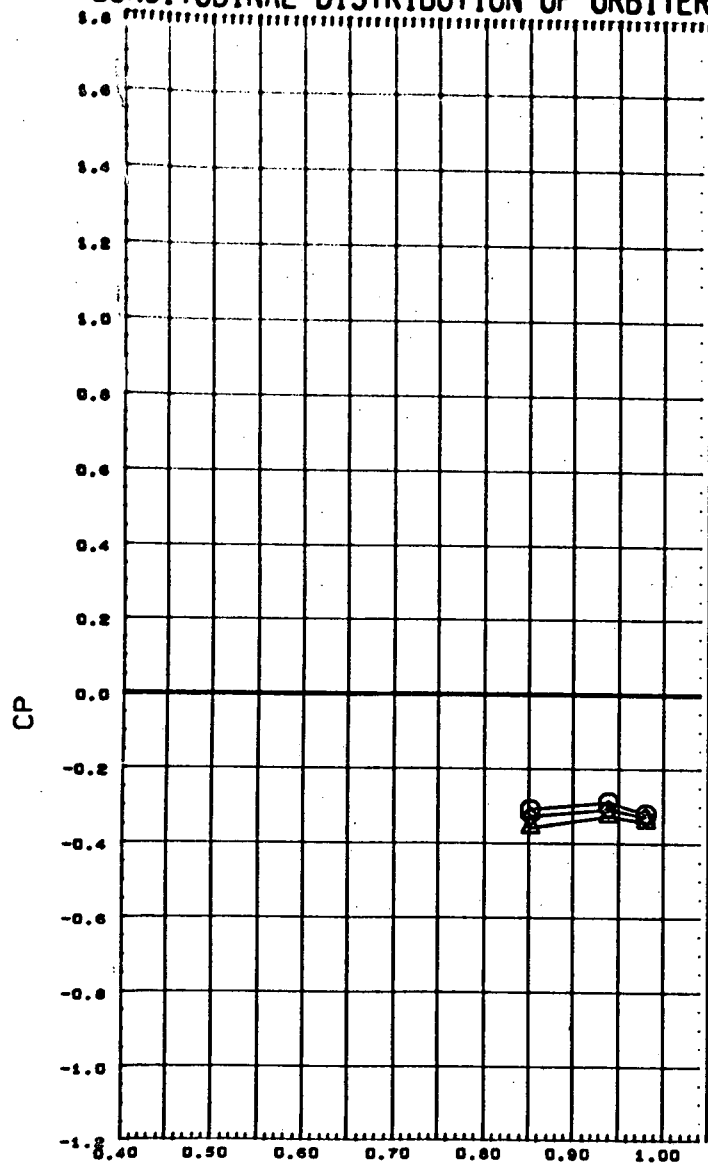
PARAMETRIC VALUES			
ALFB	- 6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC007)

PAGE 402

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

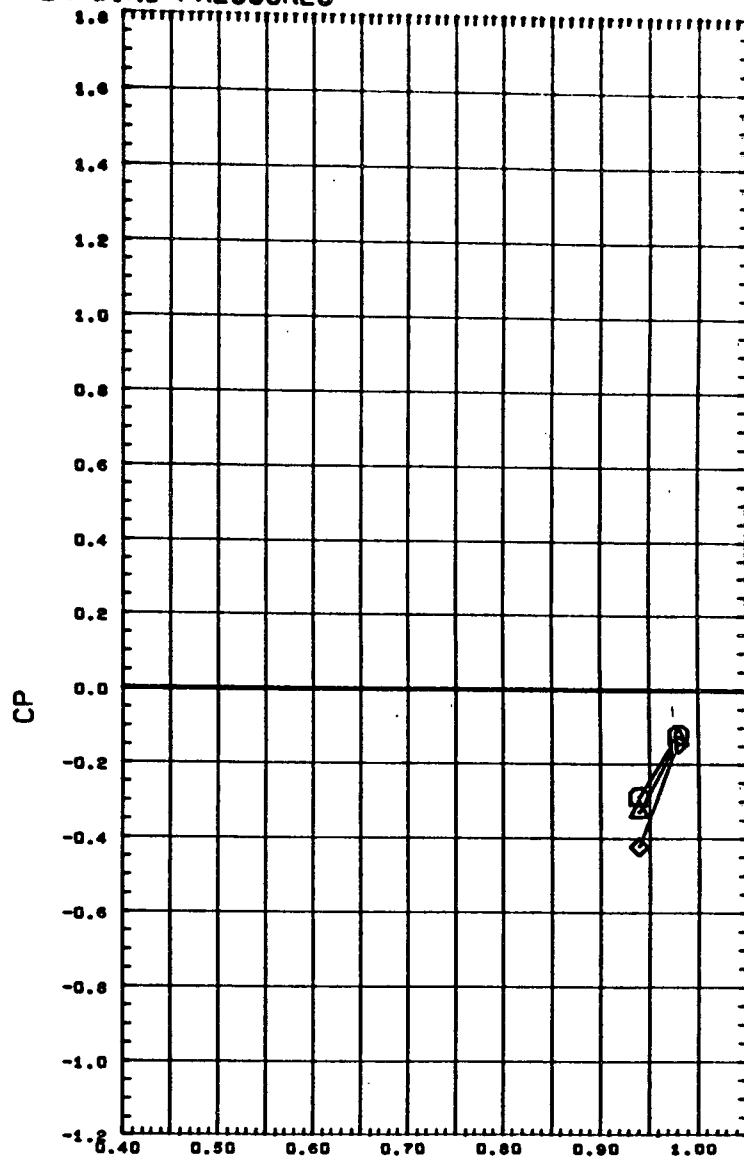
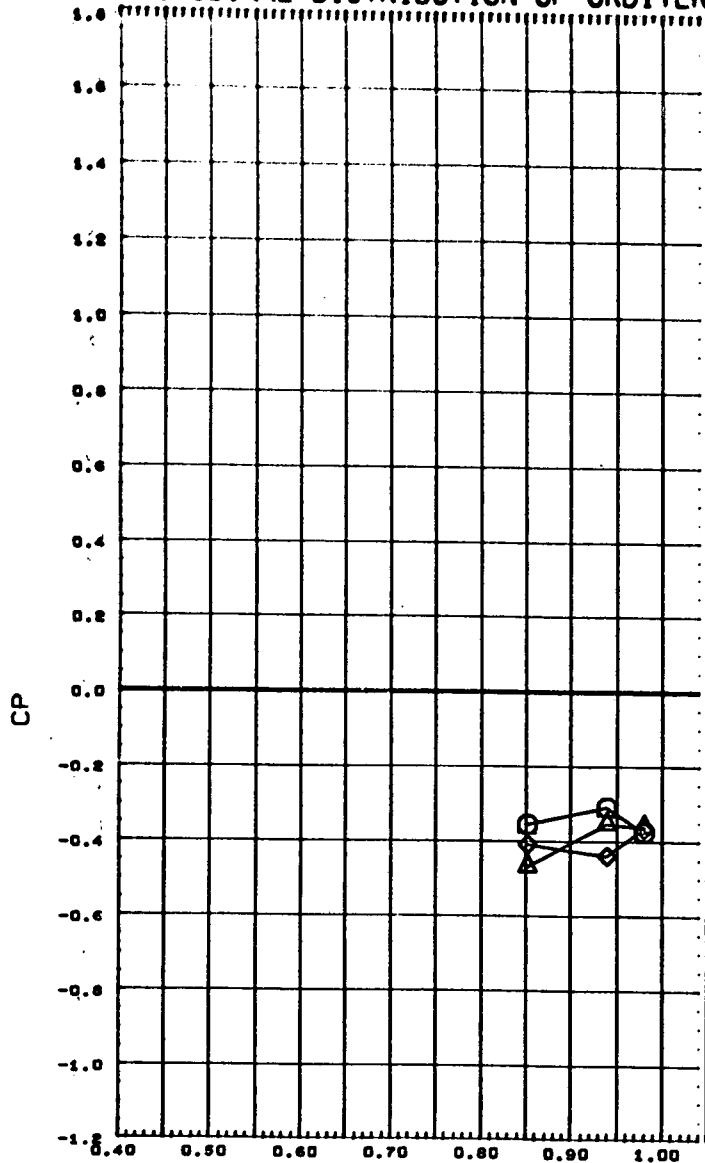


SYMBOL	BETA	Y/B	M1
○	3.664	0.289	0.600
△	0.026	0.399	
◇	3.735		

PARAMETRIC VALUES			
ALFB	6.000	DX/L	0.036
I	0.000		

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

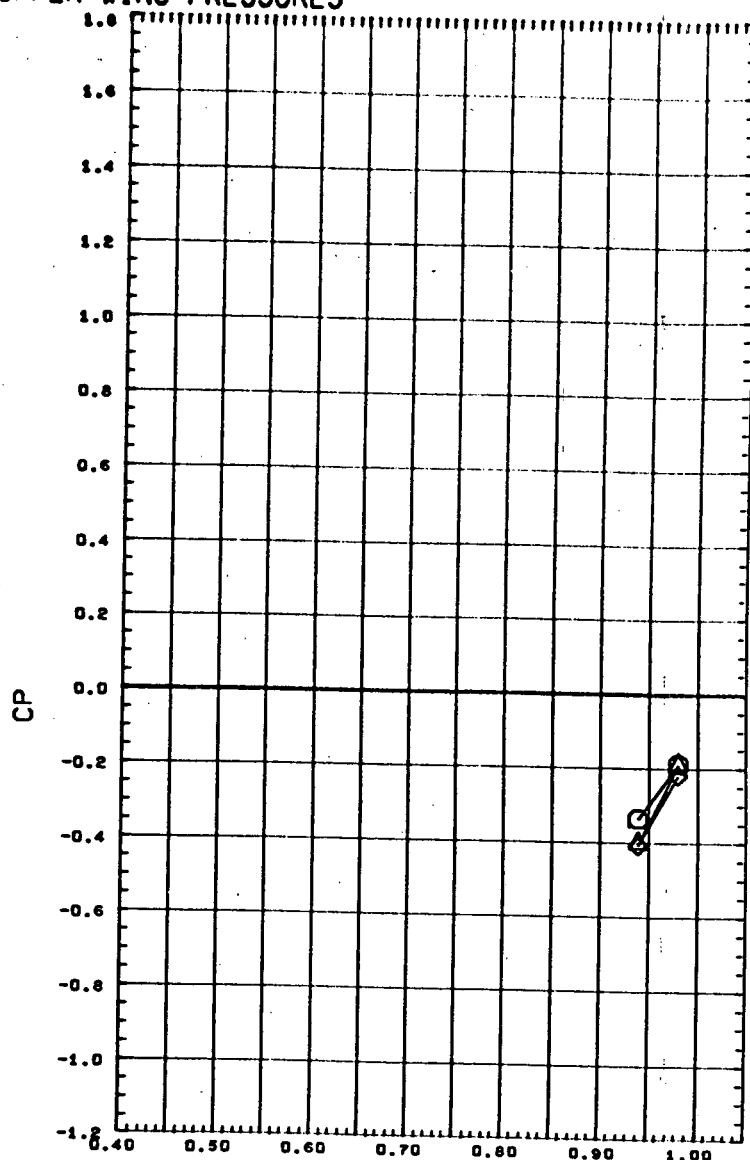
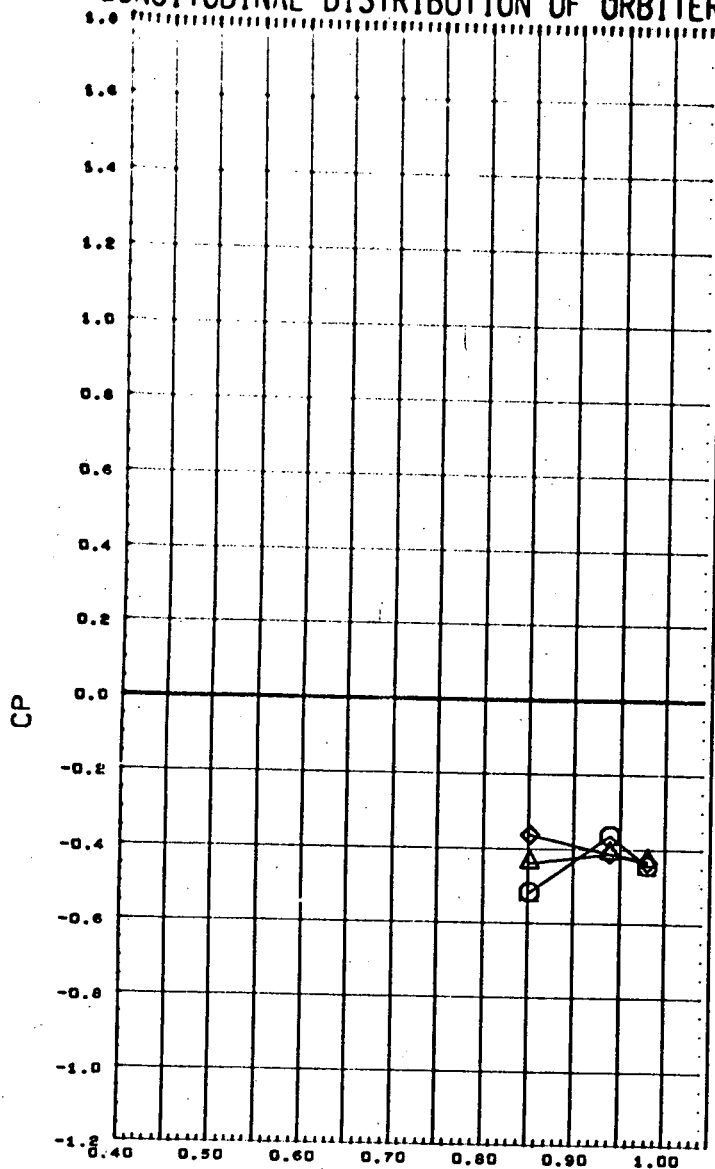


X/L			
SYMBOL	BETA	Y/B	M1
○	- 3.711	0.289	0.901
△	0.038	0.399	
◇	3.785		

X/L		
ALPB	PARAMETRIC VALUES	
1	6.000	0.036
	0.000	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
<div> <div></div> <div></div> <div></div> </div>	3.742	0.289	1.002
	0.036	0.399	
	3.842		

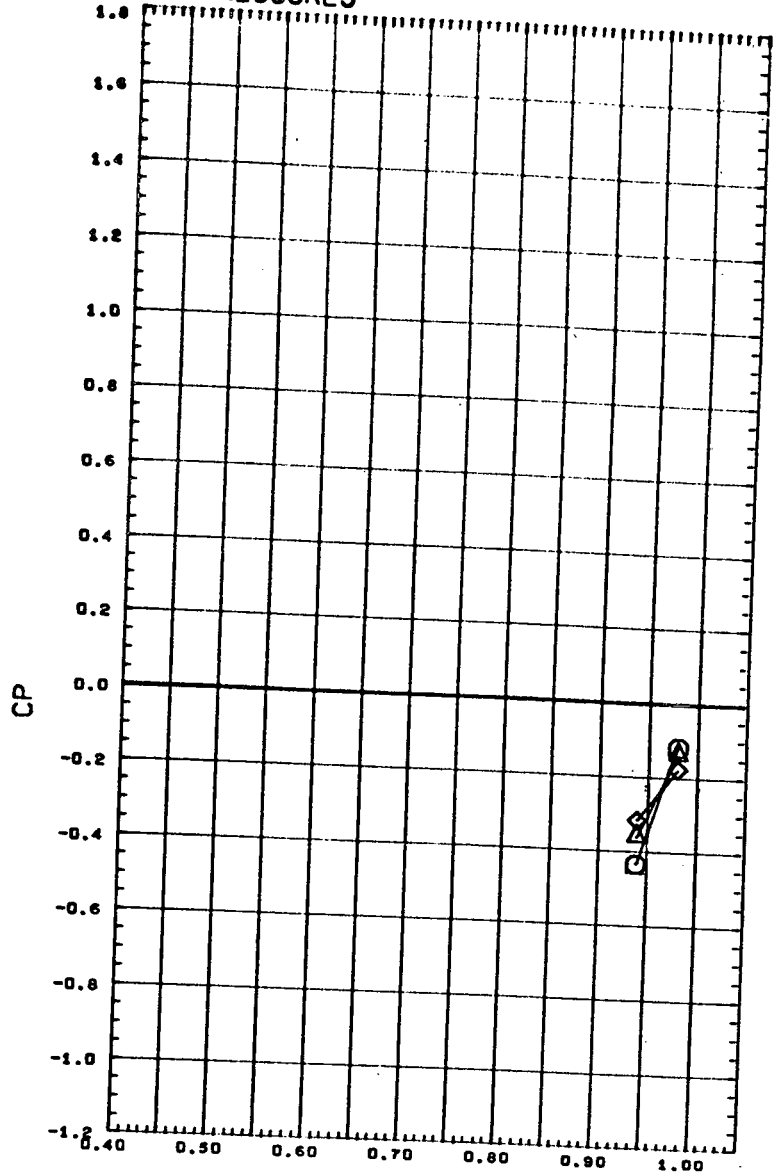
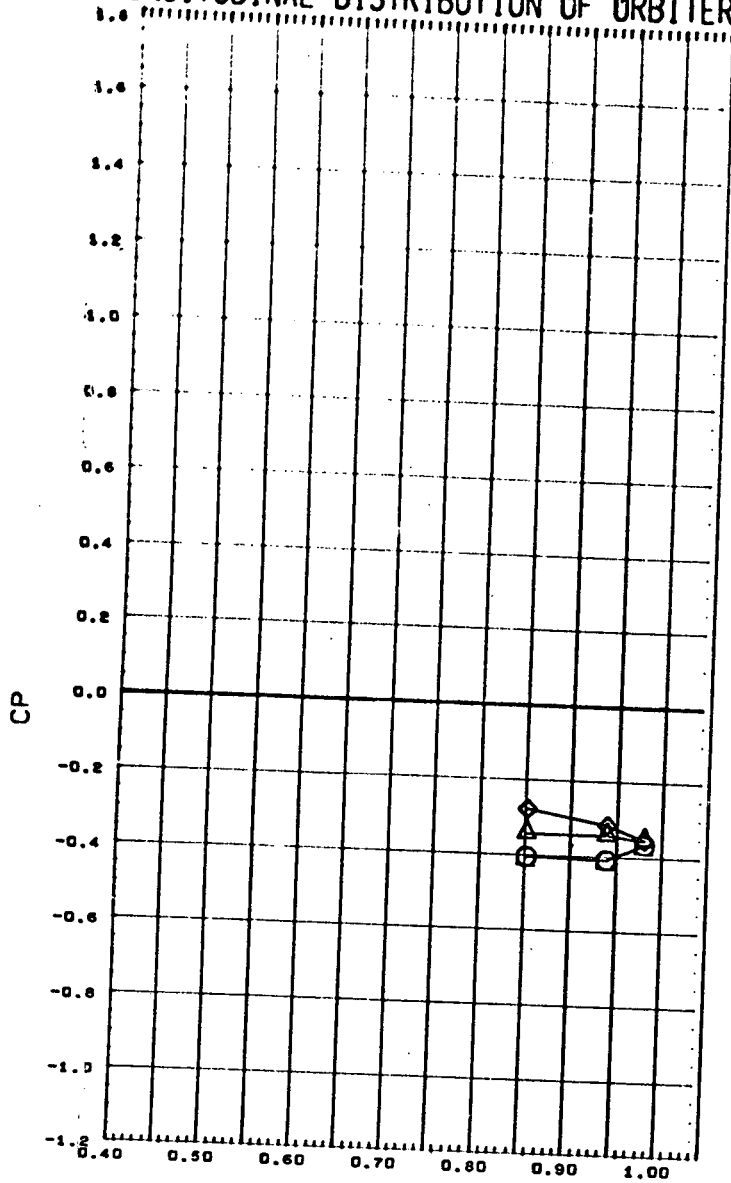
X/L		
PARAMETRIC VALUES		
ALFB	6.000	OX/L
I	0.000	0.036

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



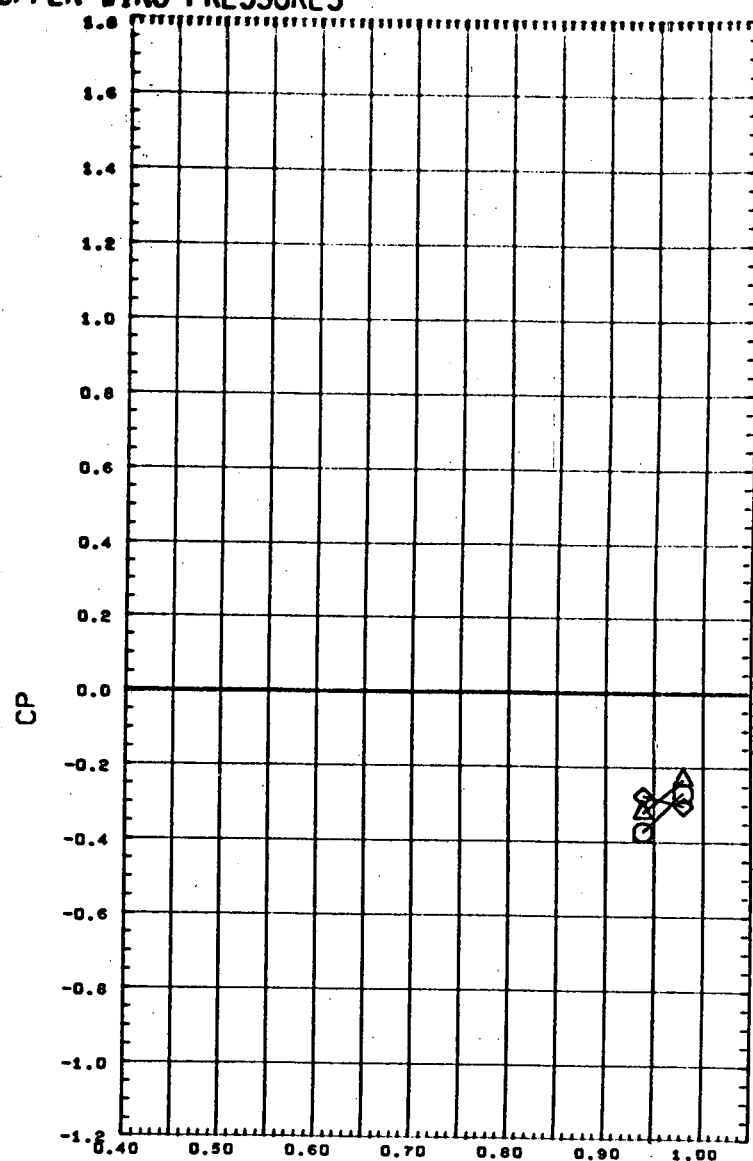
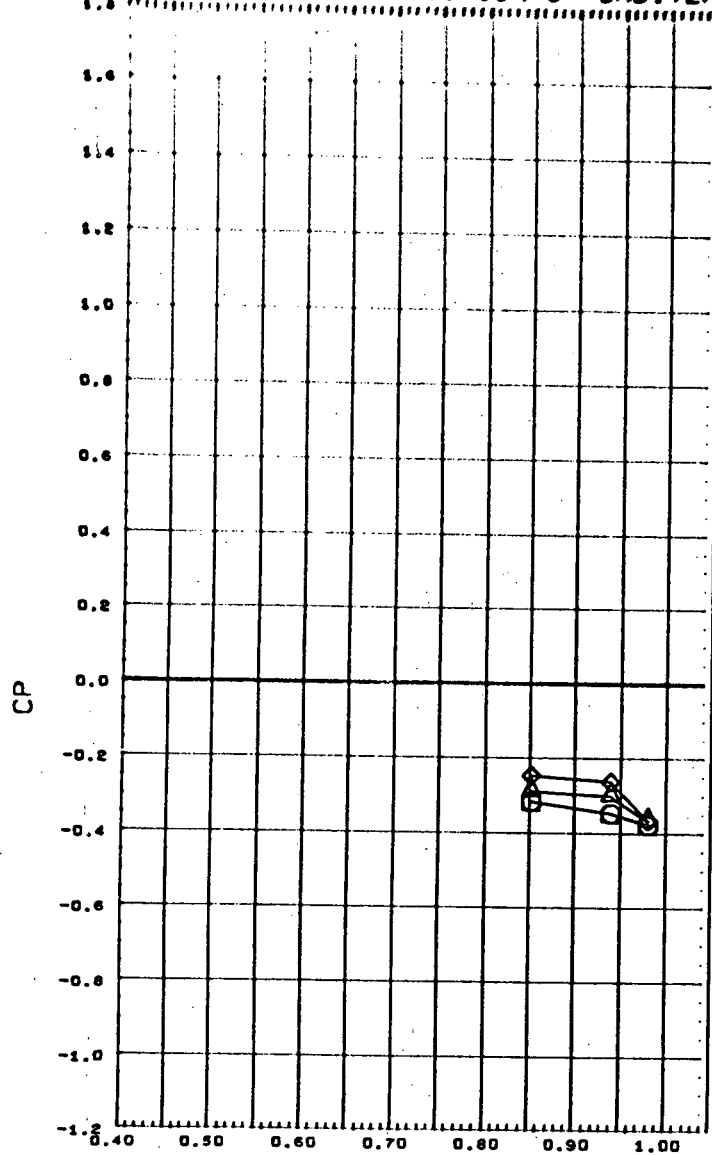
SYMBOL	BETA	Y/B	M1
○	3.747	0.289	1.100
△	0.027	0.399	
◇	3.836		

ALFB	PARAMETRIC VALUES	DX/L	
1	6.000	0.036	
	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC008)

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	BETA	Y/B	M1
○	3.763	0.289	1.201
△	0.017	0.399	
◇	3.843		

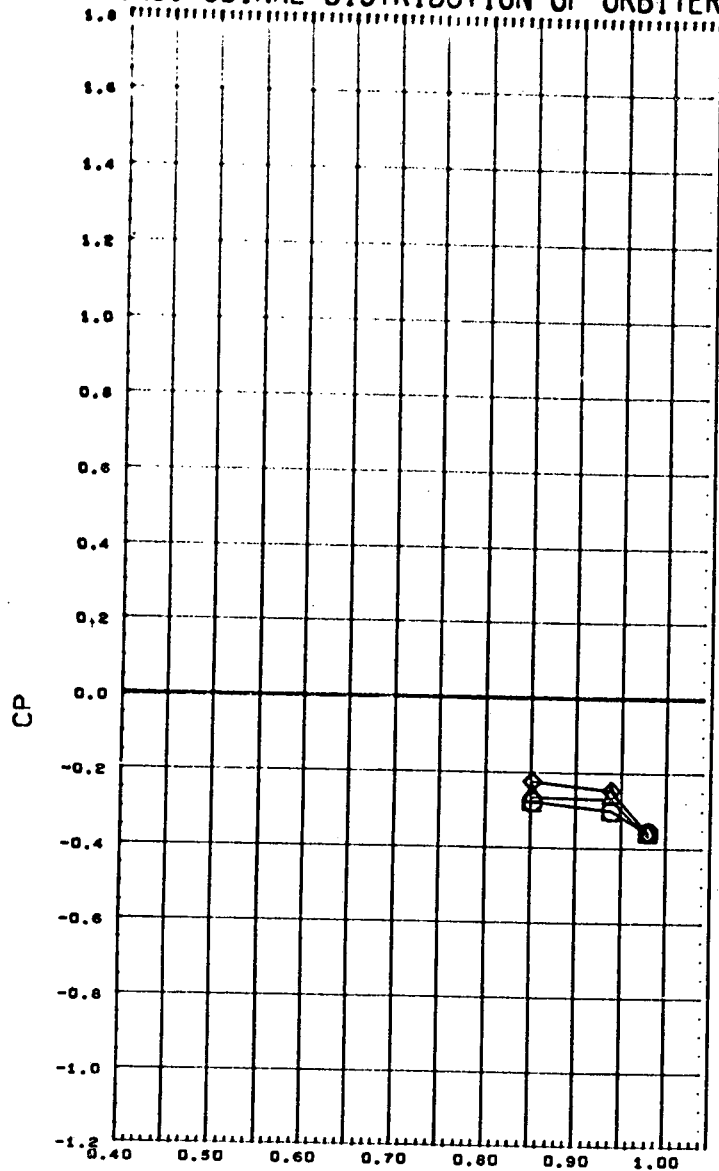
X/L		
PARAMETRIC VALUES		
ALFB	6.000	0.036
I	0.000	

REFERENCE FILE

AEDC TC174 MDAL ORBITER NEAR BOOSTER(UPPER WING) (GTC008)

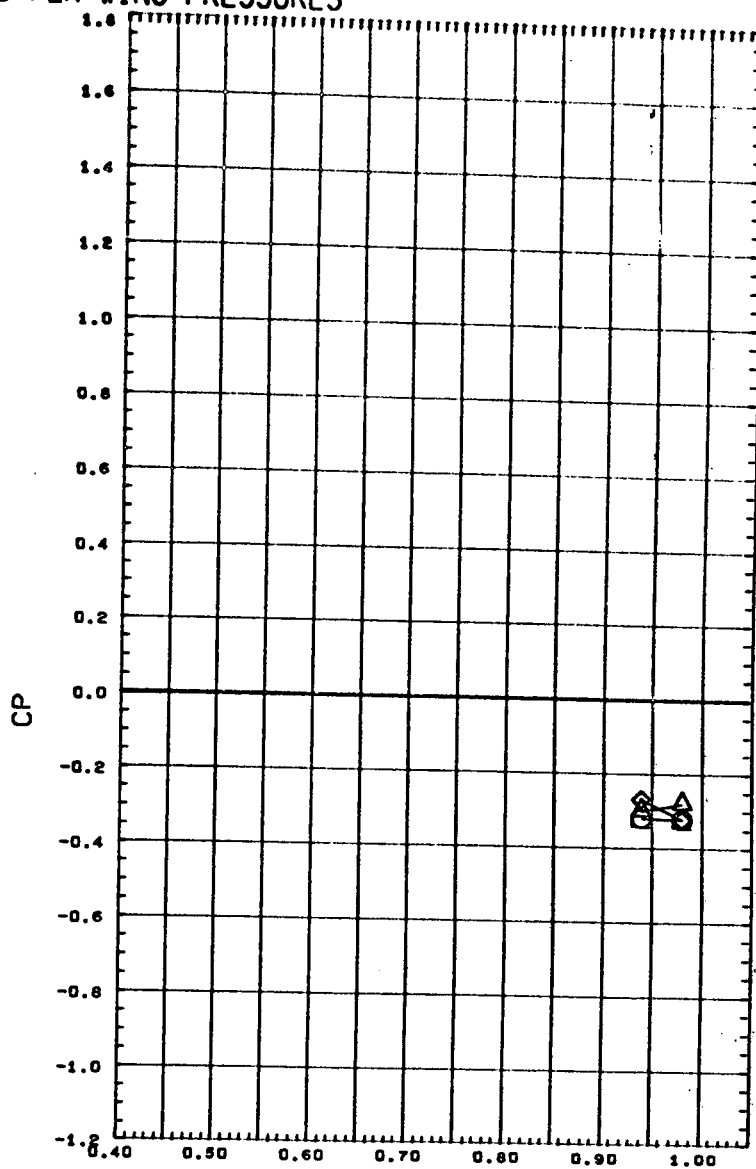
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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

SYMBOL	BETA	Y/B	M1
○	3.787	0.289	1.299
△	0.024	0.399	
◇	3.837		



X/L

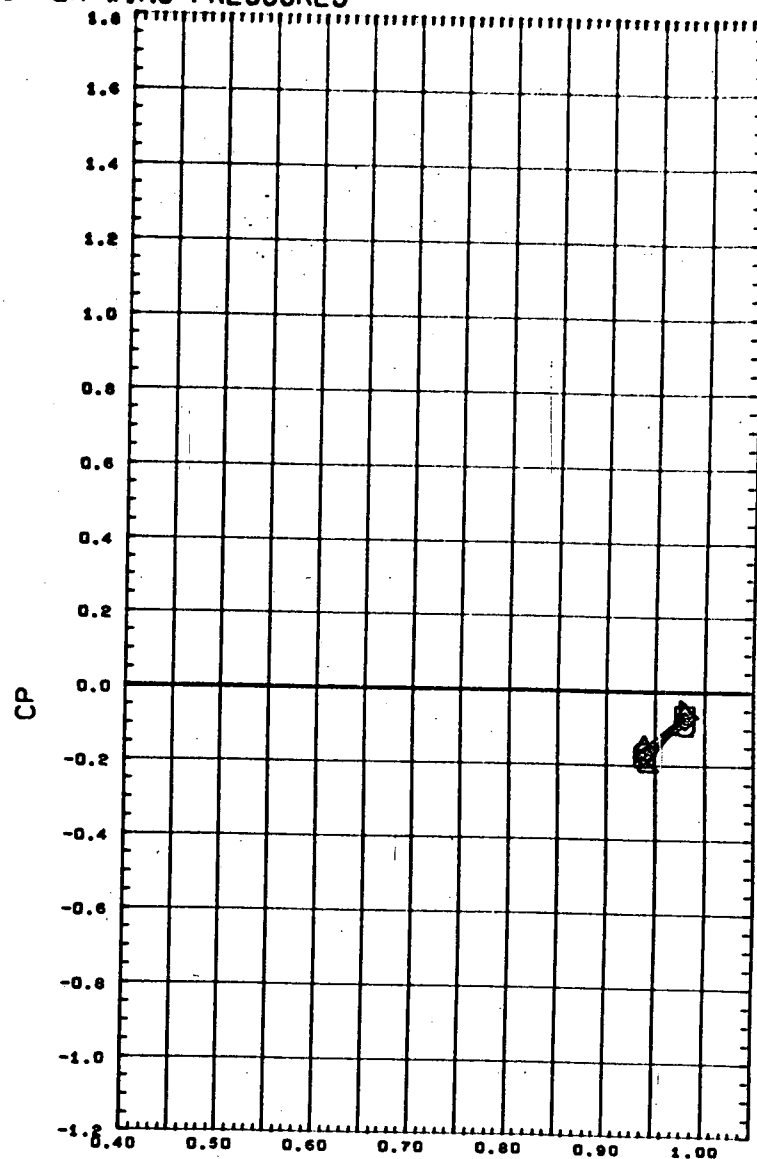
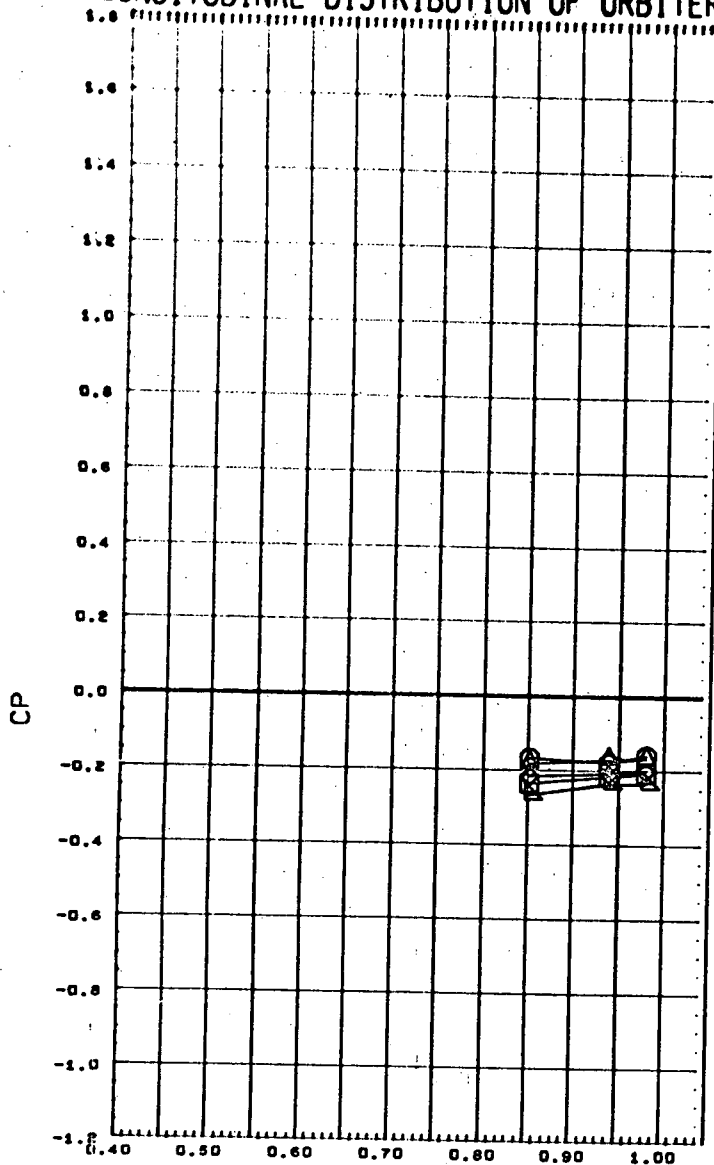
ALFB	PARAMETRIC VALUES	DX/L	
I	6.000	0.036	
	0.000		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC008)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.148	0.289	0.601
◇	- 6.084	0.399	
△	- 4.017		
□	- 1.949		
■	0.119		

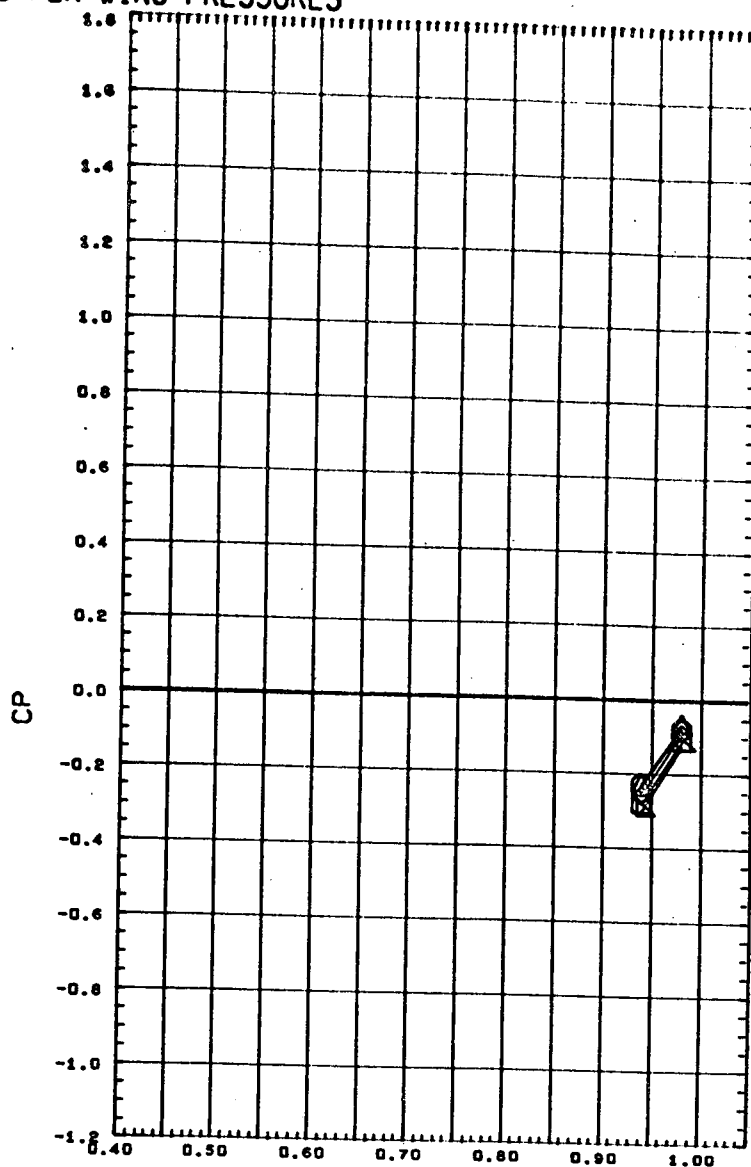
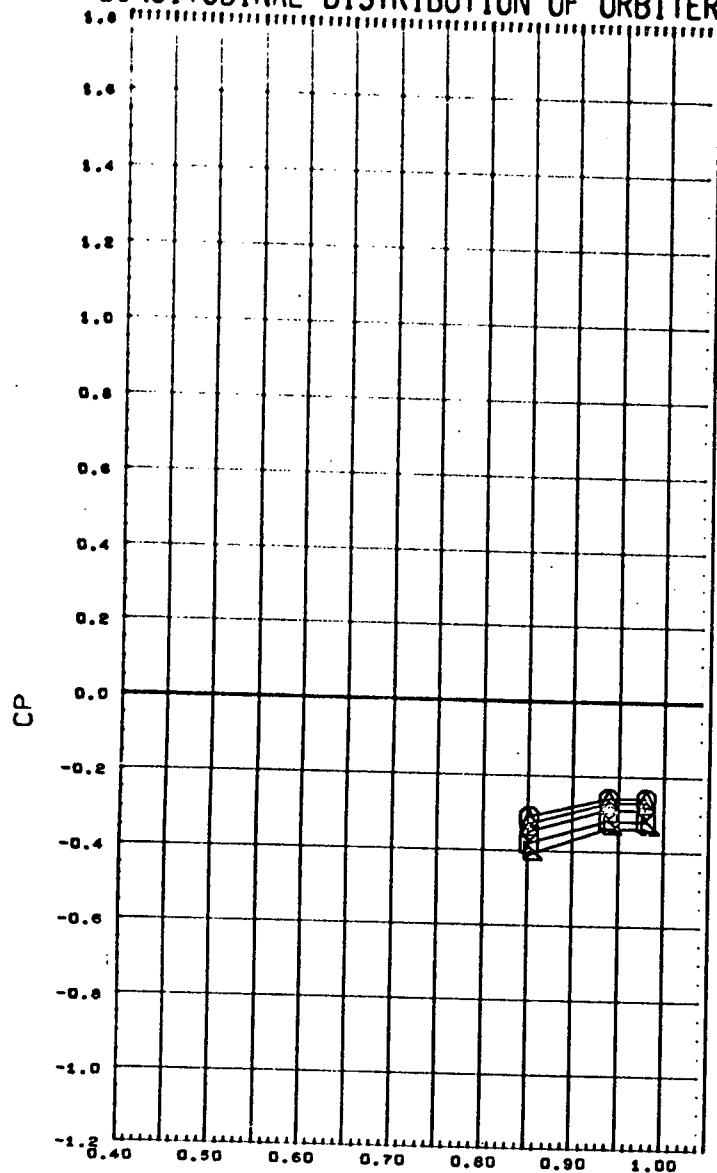
REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	0.036
I	1.900	

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC009)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

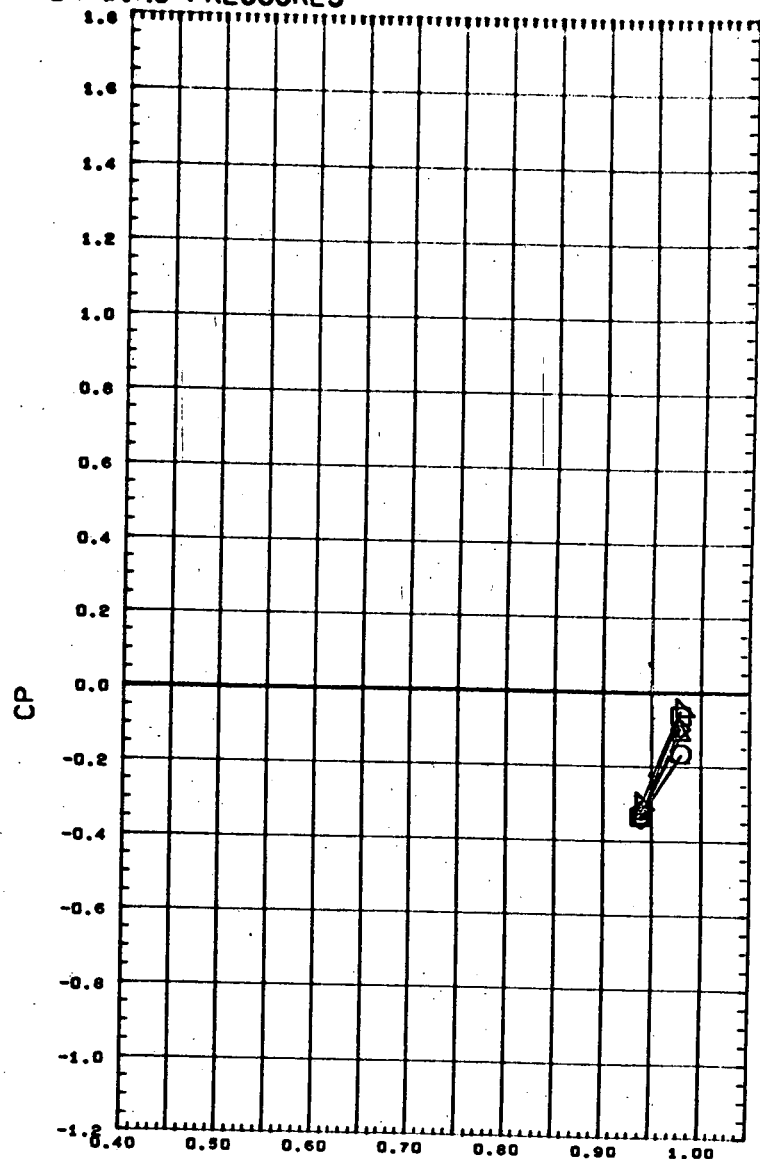
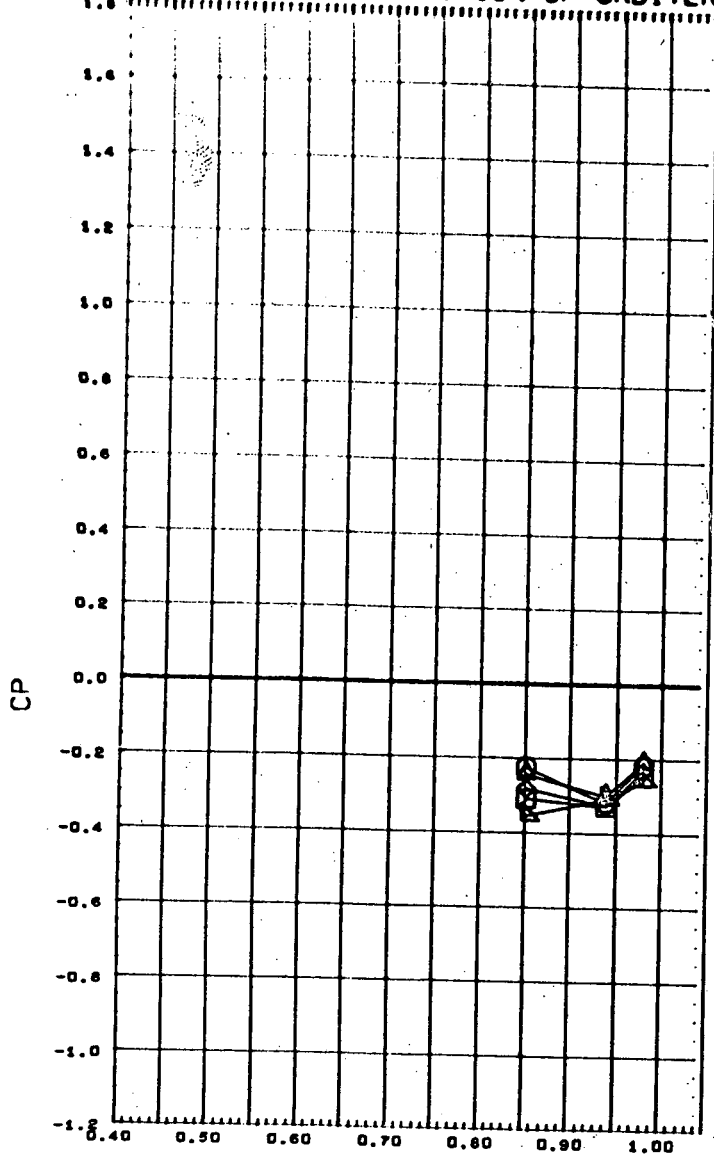


SYMBOL	ALFB	Y/B	M1
○	2.172	0.289	0.601
△	4.250	0.399	
◇	6.291		
◊	8.362		
◻	10.431		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L 0.036
I	1.900	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

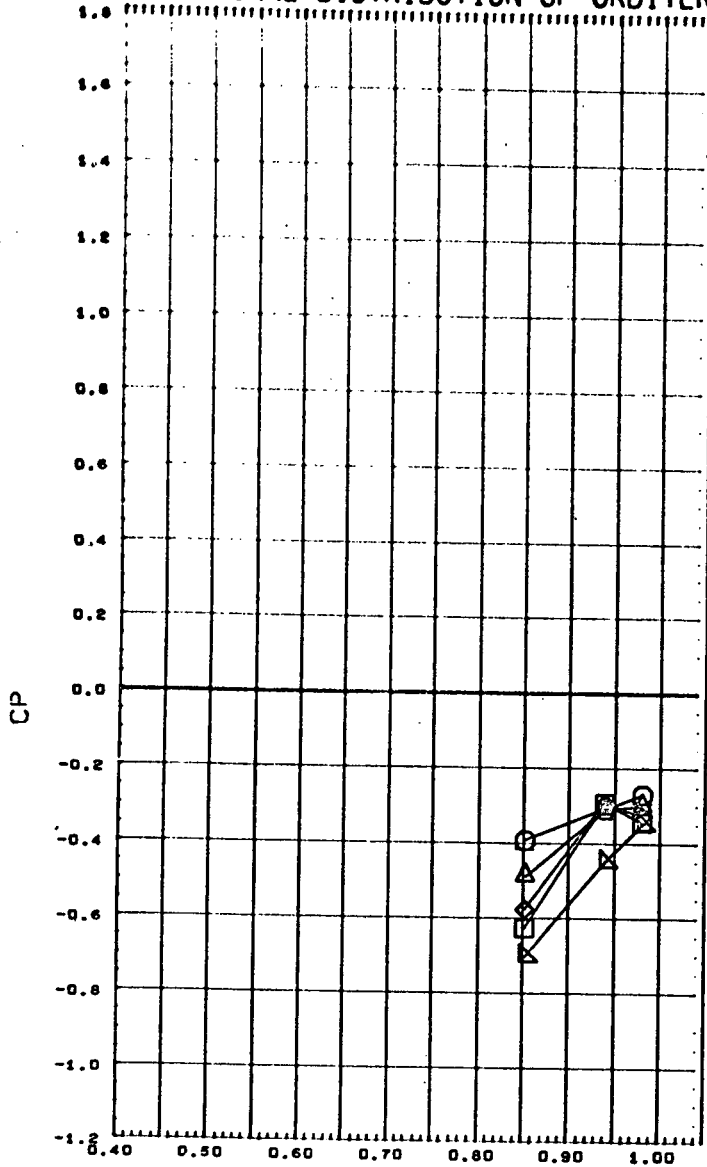


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.279	0.289	0.903
△	- 5.812	0.399	
◇	- 3.826		
□	- 1.834		
▽	0.163		

REFERENCE FILE

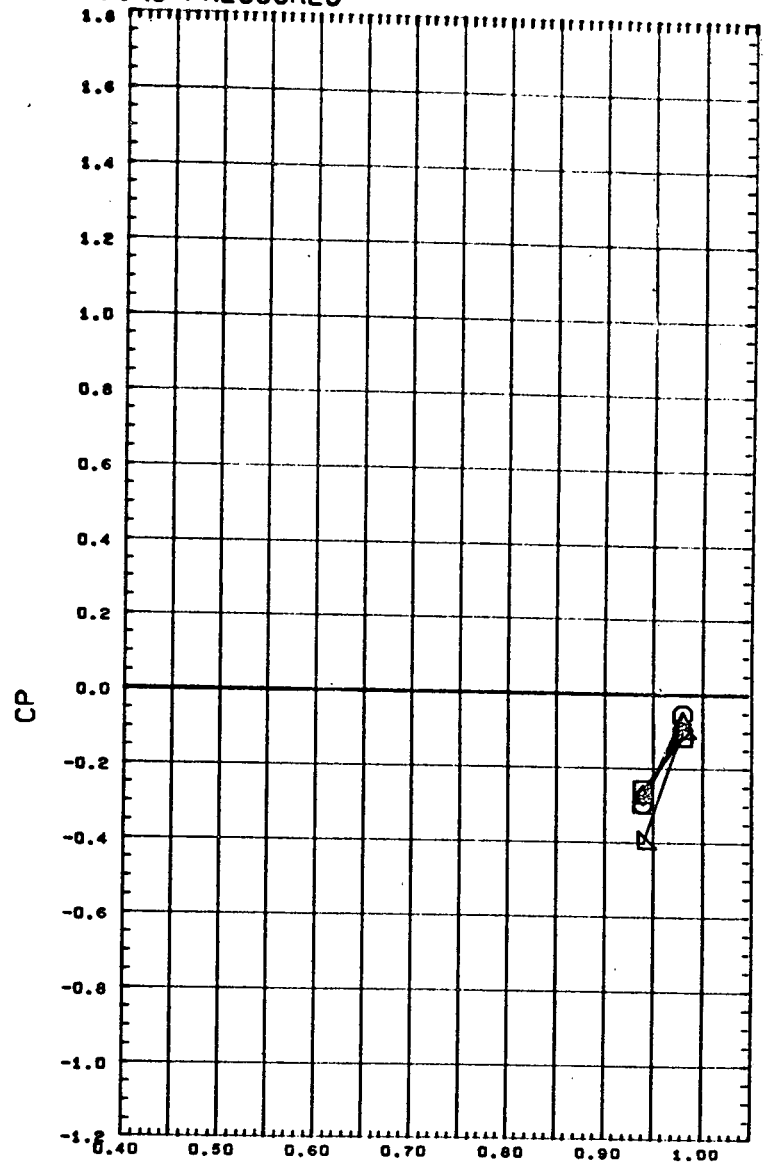
X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



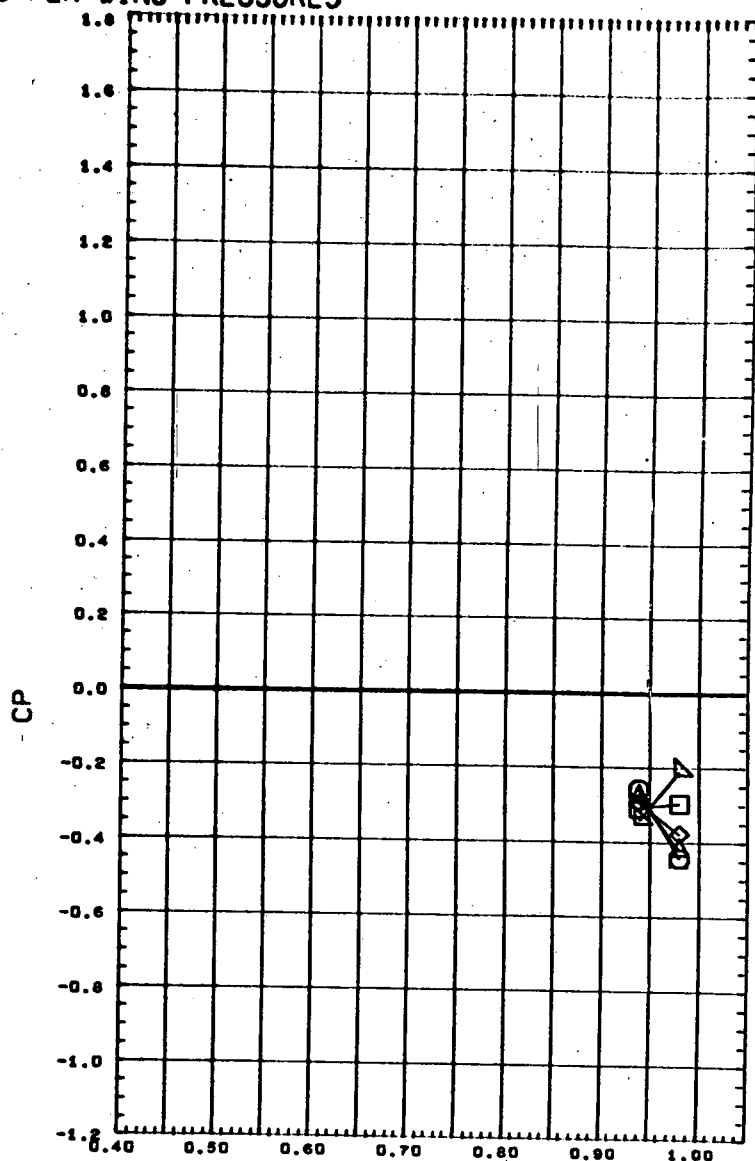
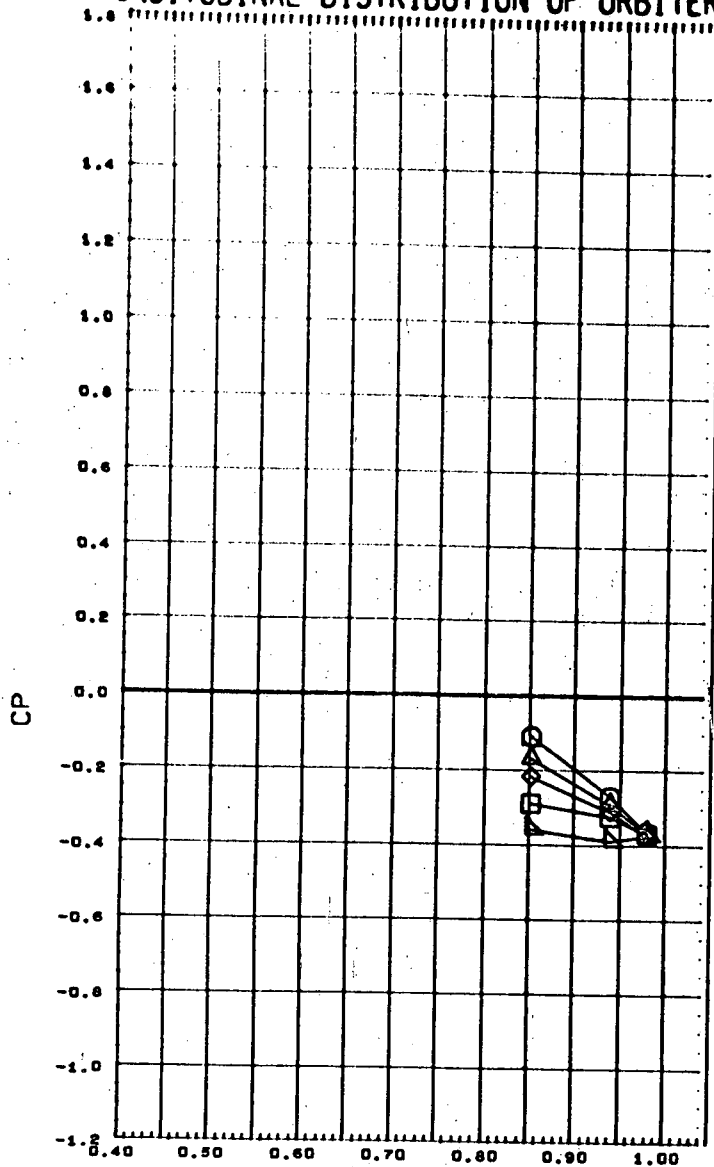
SYMBOL	ALFA	Y/B	X/L
○	1.553	0.289	0.903
◇	3.751	0.399	
△	6.149		
□	7.558		
▽	10.169		

REFERENCE FILE



BETA	PARAMETRIC VALUES	DX/L	
0.000		0.036	
1.900			

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

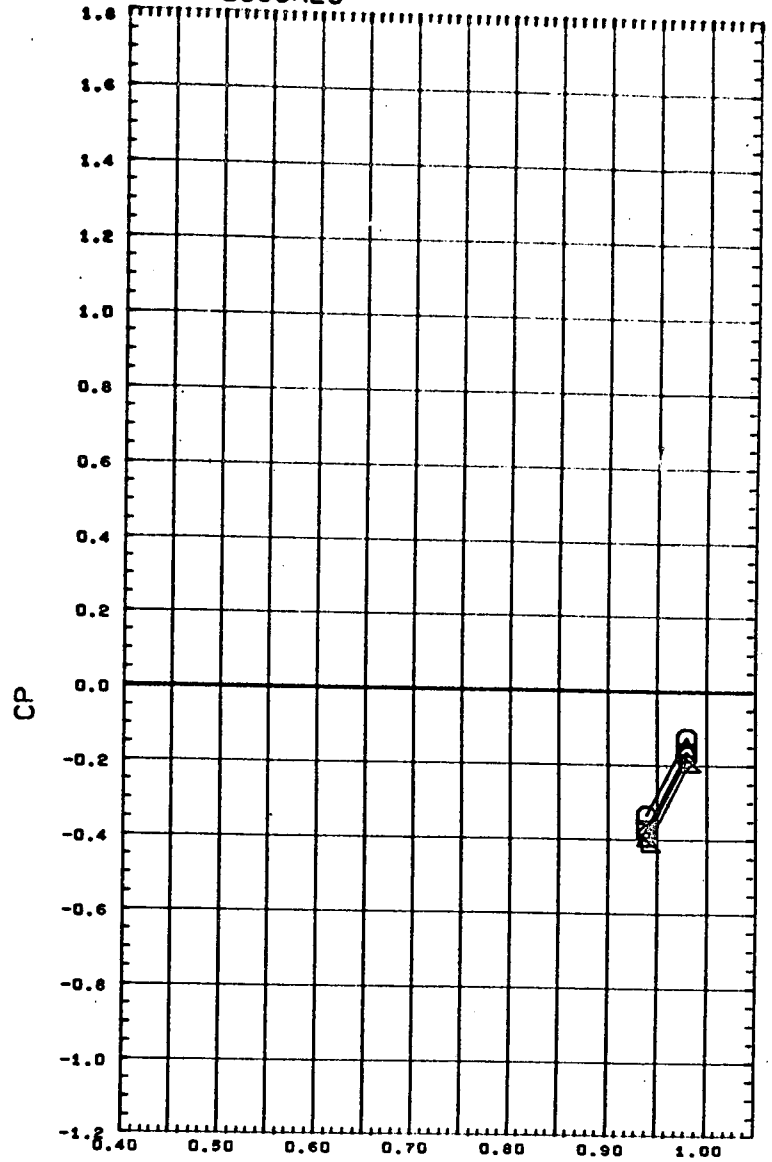
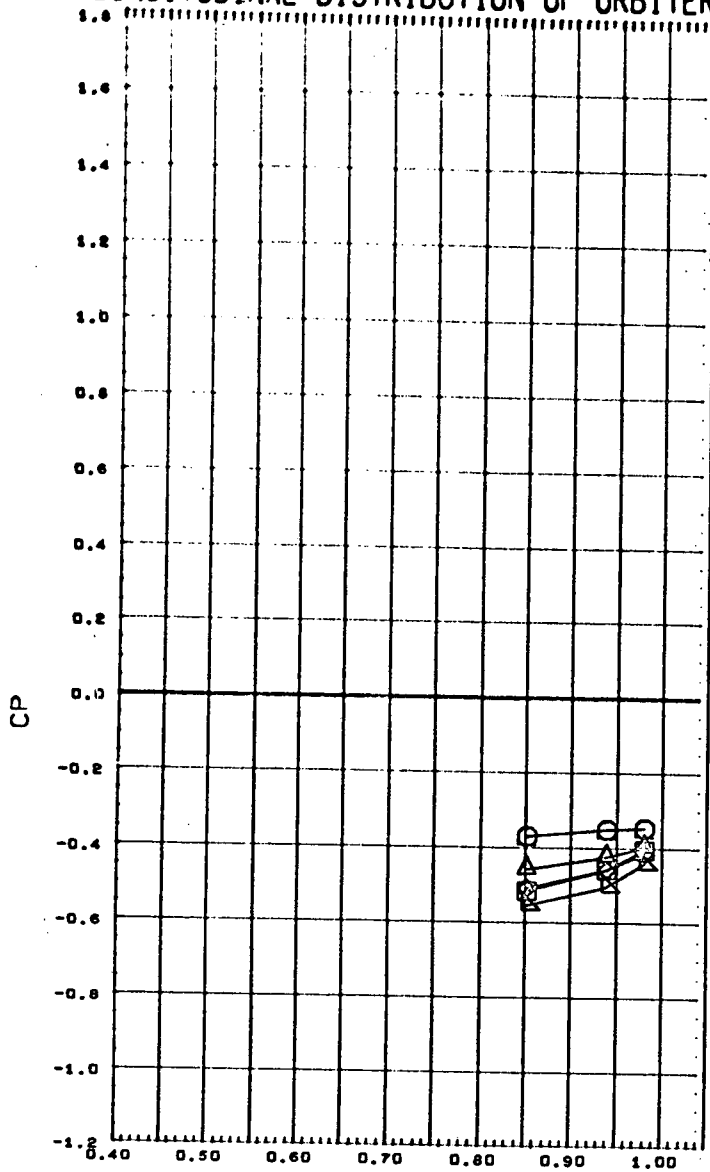


X/L			
SYMBOL	ALFB	Y/B	M1
○	7.909	0.289	1.004
△	5.810	0.399	
◇	4.434		
□	2.210		
▽	0.226		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

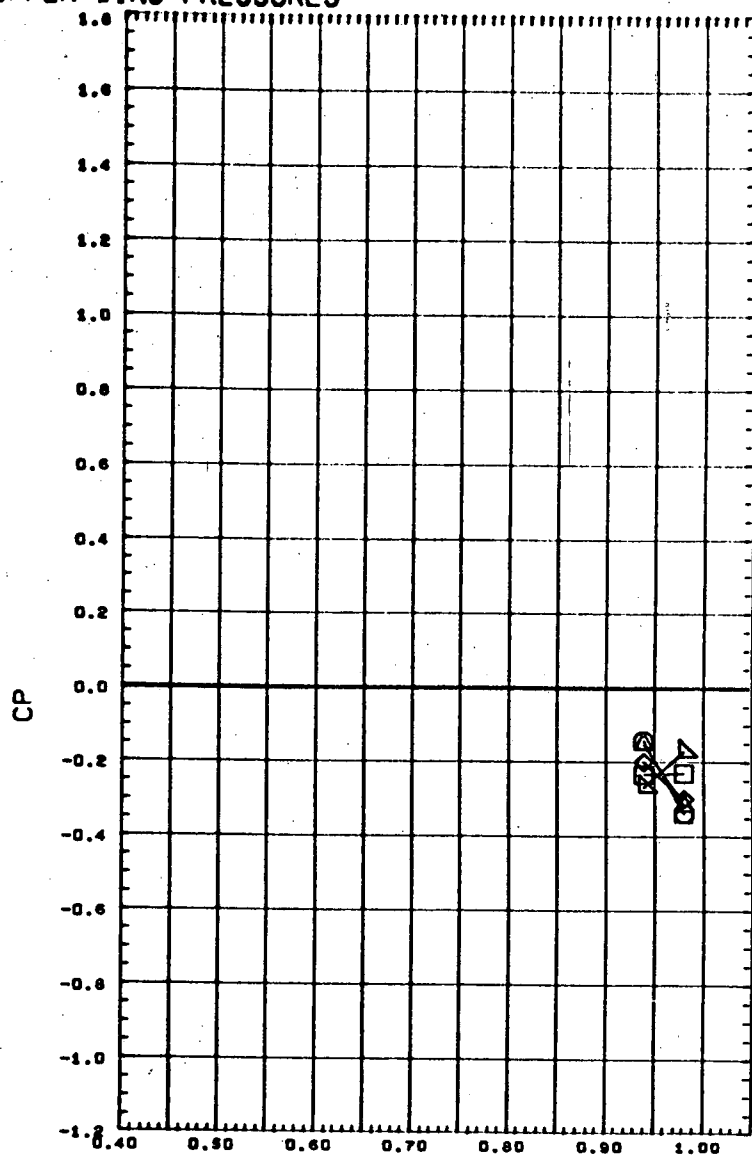
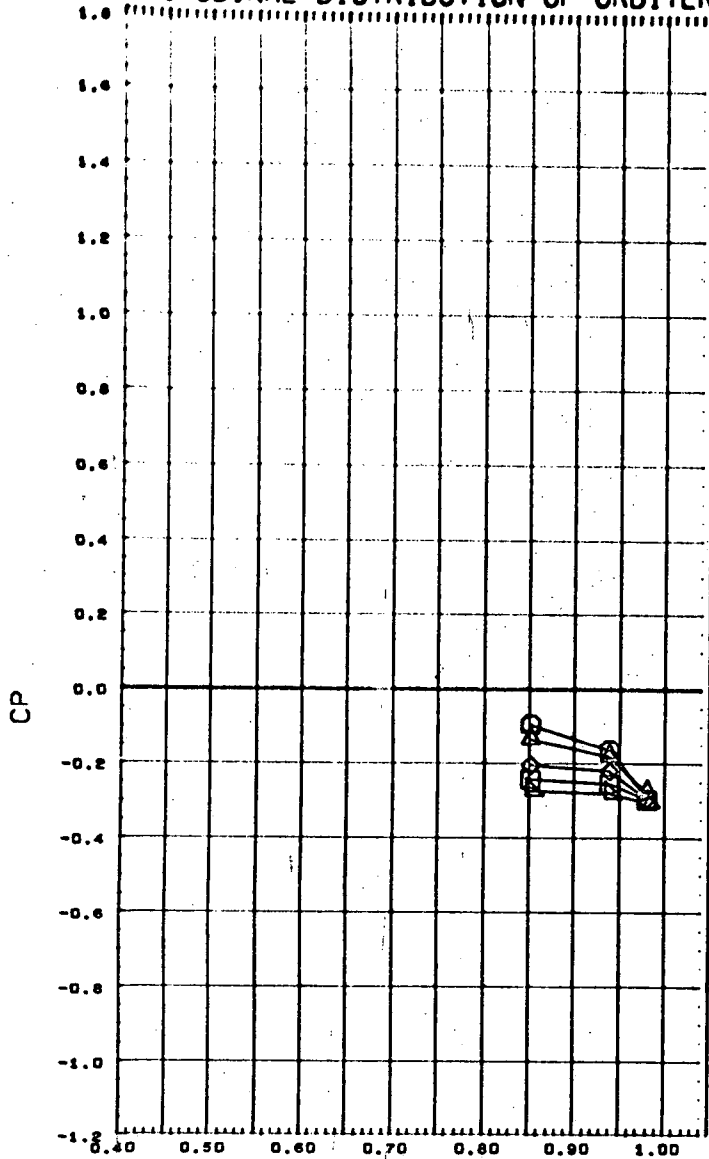


SYMBOL	ALFB	Y/B	M1
○	2.167	0.289	1.004
△	4.154	0.399	
◇	6.134		
□	8.144		
▽	10.153		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

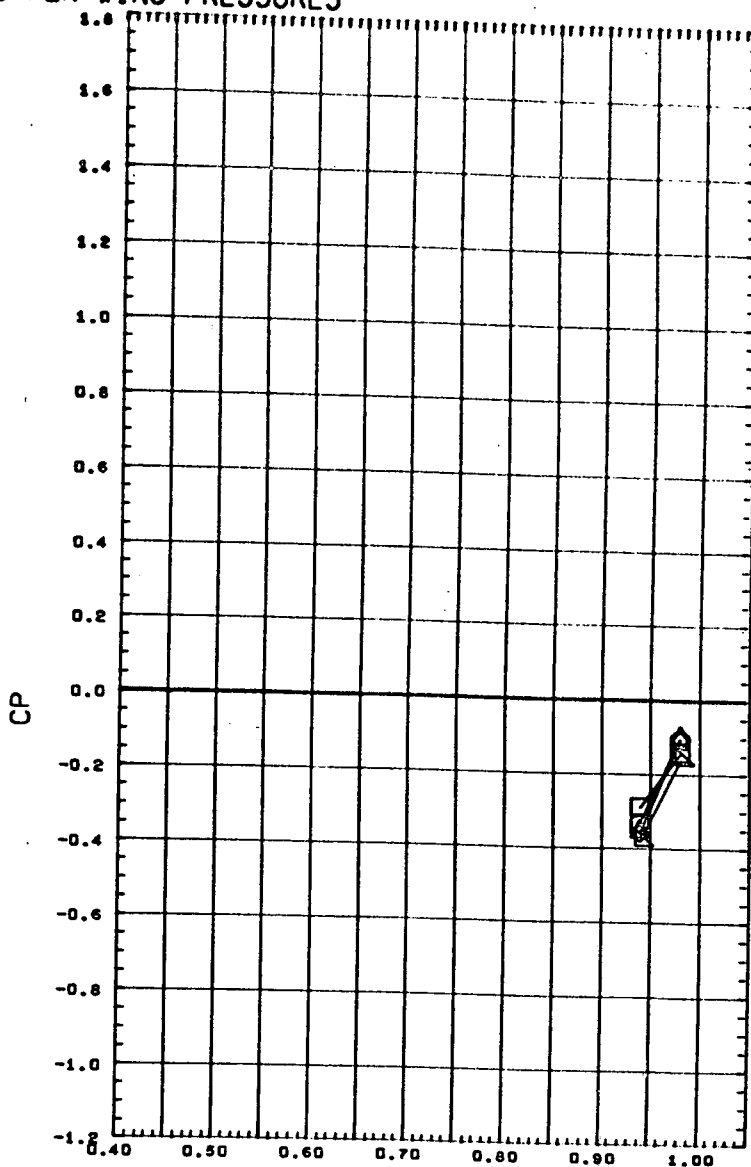
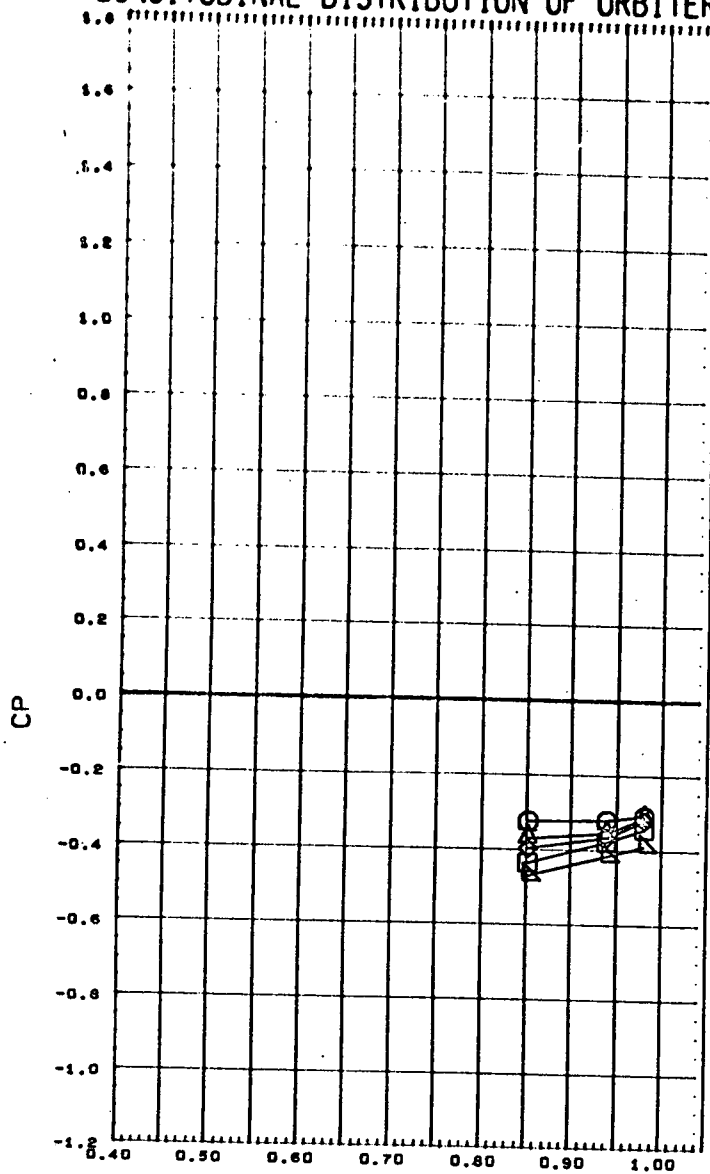


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.920	0.289	1.100
△	- 5.788	0.399	
◇	- 3.810		
□	- 1.812		
▽	- 0.381		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

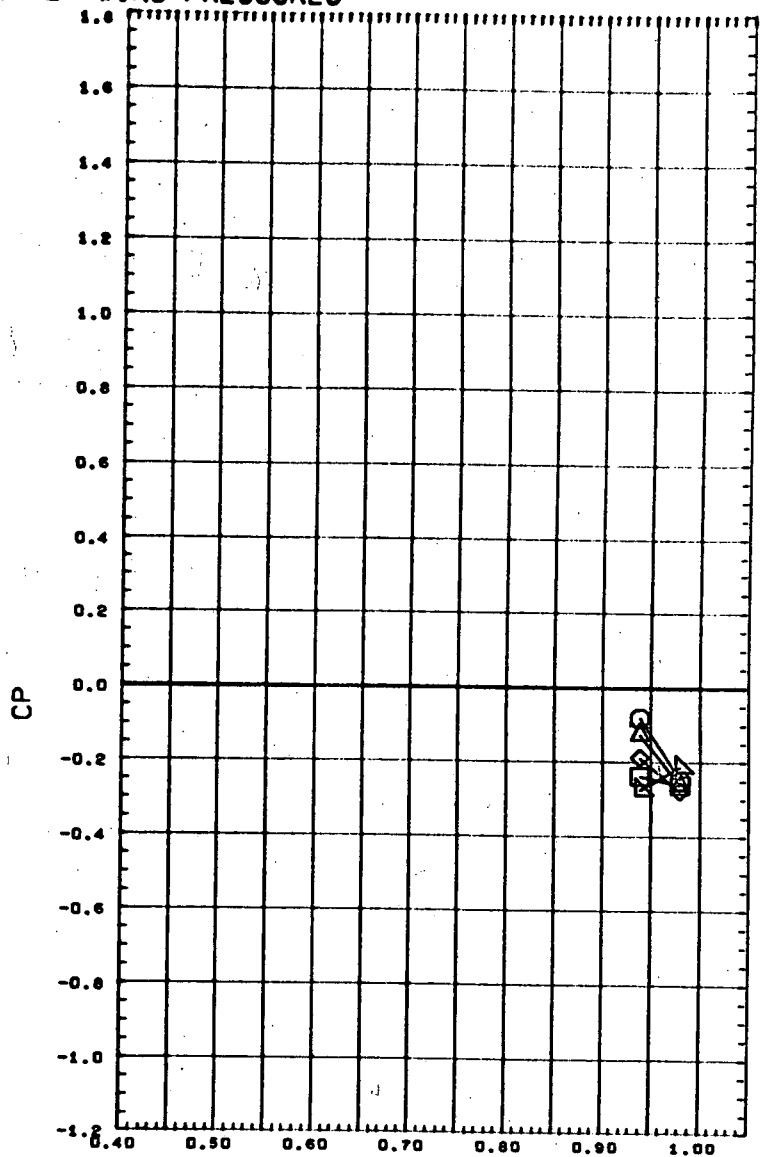
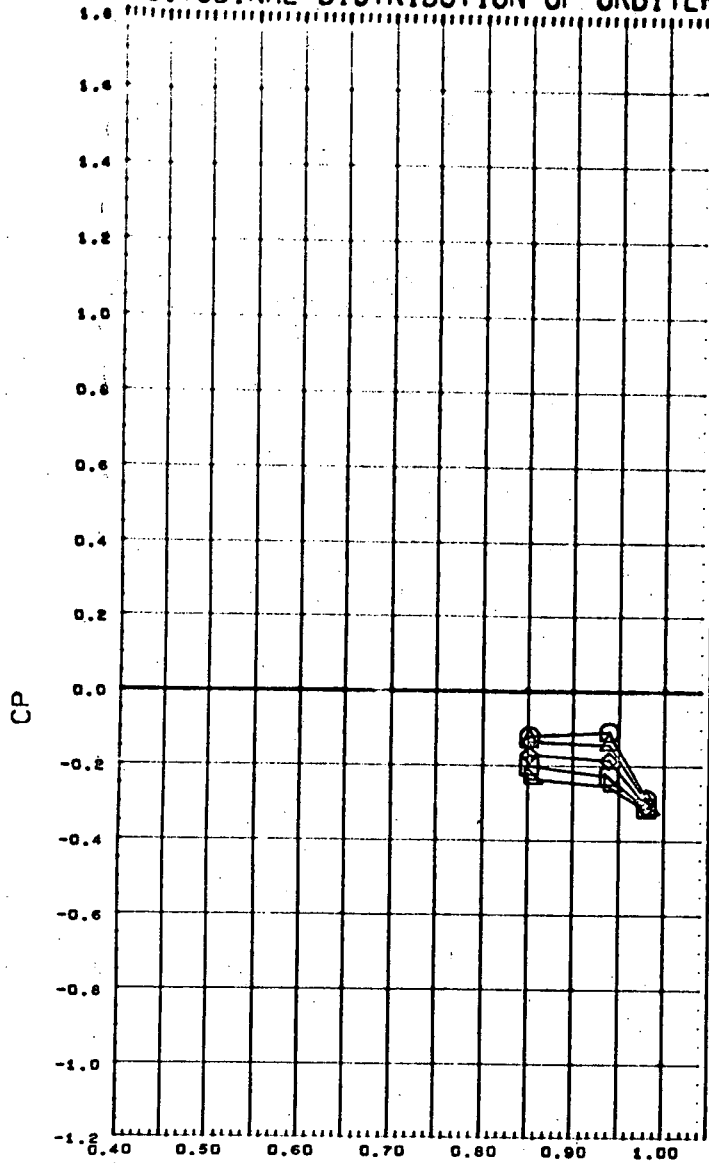


SYMBOL	ALFB	Y/B	M1
○	2.224	0.289	1.100
△	4.163	0.399	
◇	5.535		
□	7.787		
⊠	10.190		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

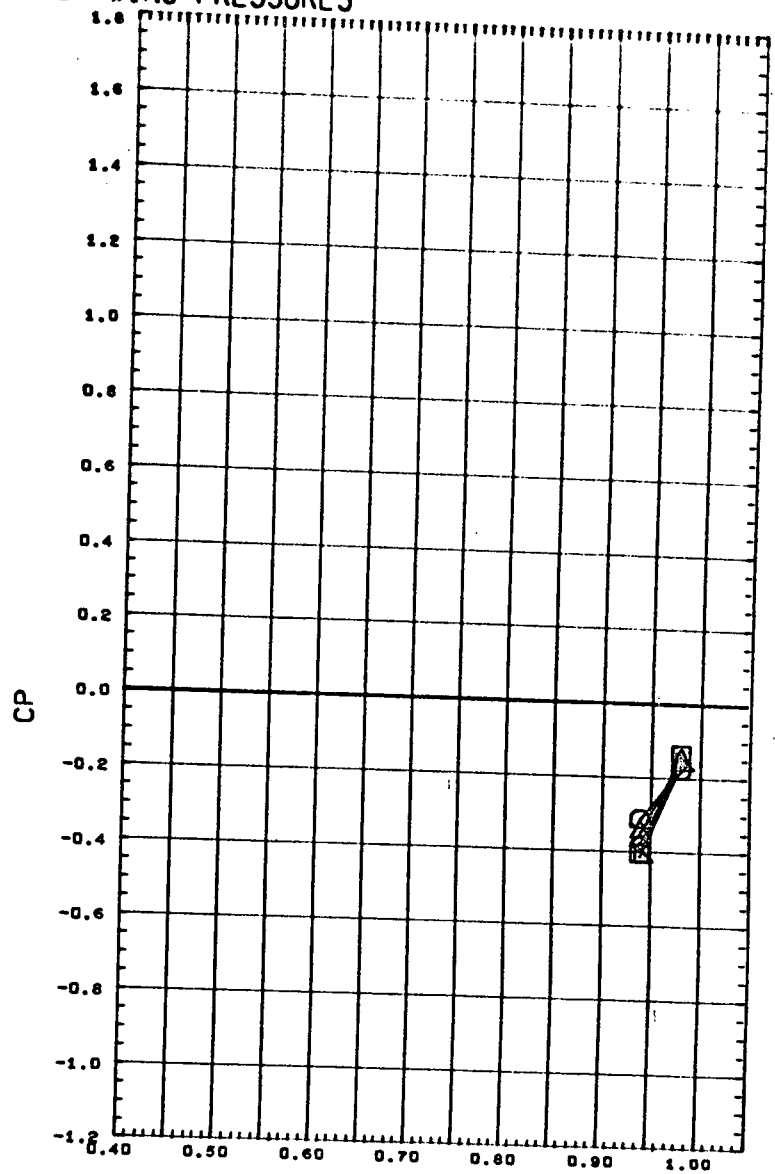
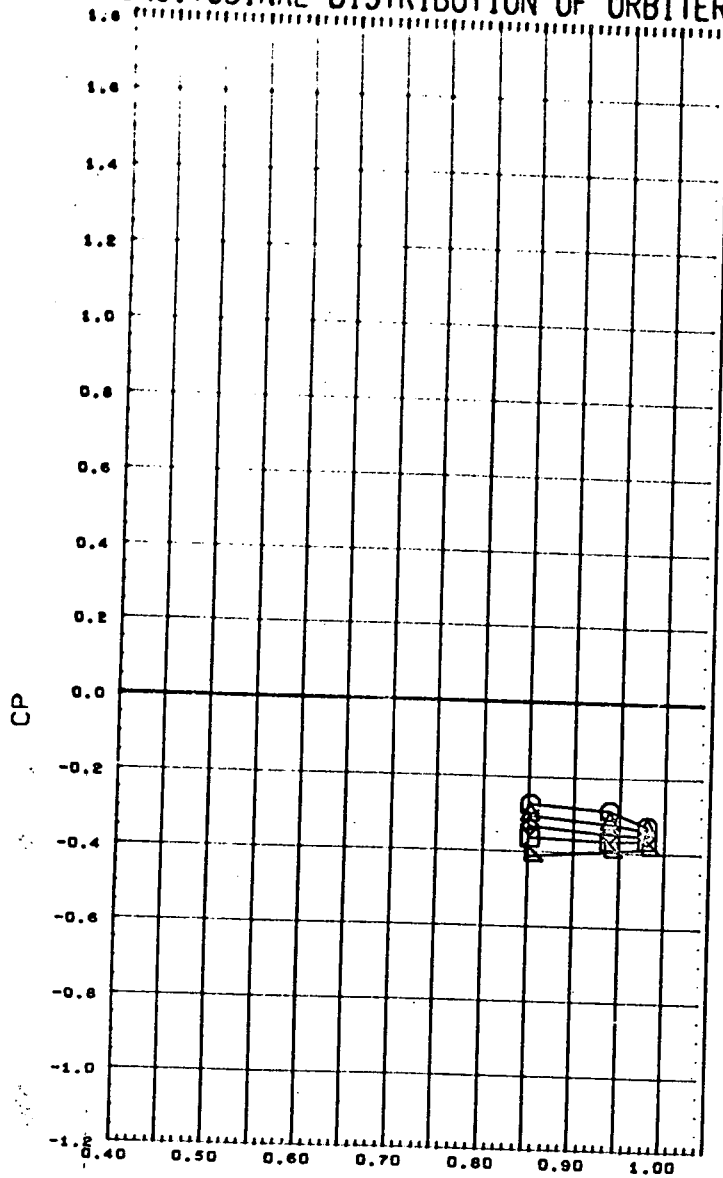


SYMBOL	X/L		
	ALFB	Y/B	M1
○	7.918	0.289	1.201
△	5.800	0.399	
◇	3.805		
□	1.810		
▽	0.192		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

SYMBOL	ALFB	Y/B	M1
○	2.165	0.289	1.201
◇	4.175	0.399	
△	5.542		
□	7.781		
■	10.179		

REFERENCE FILE

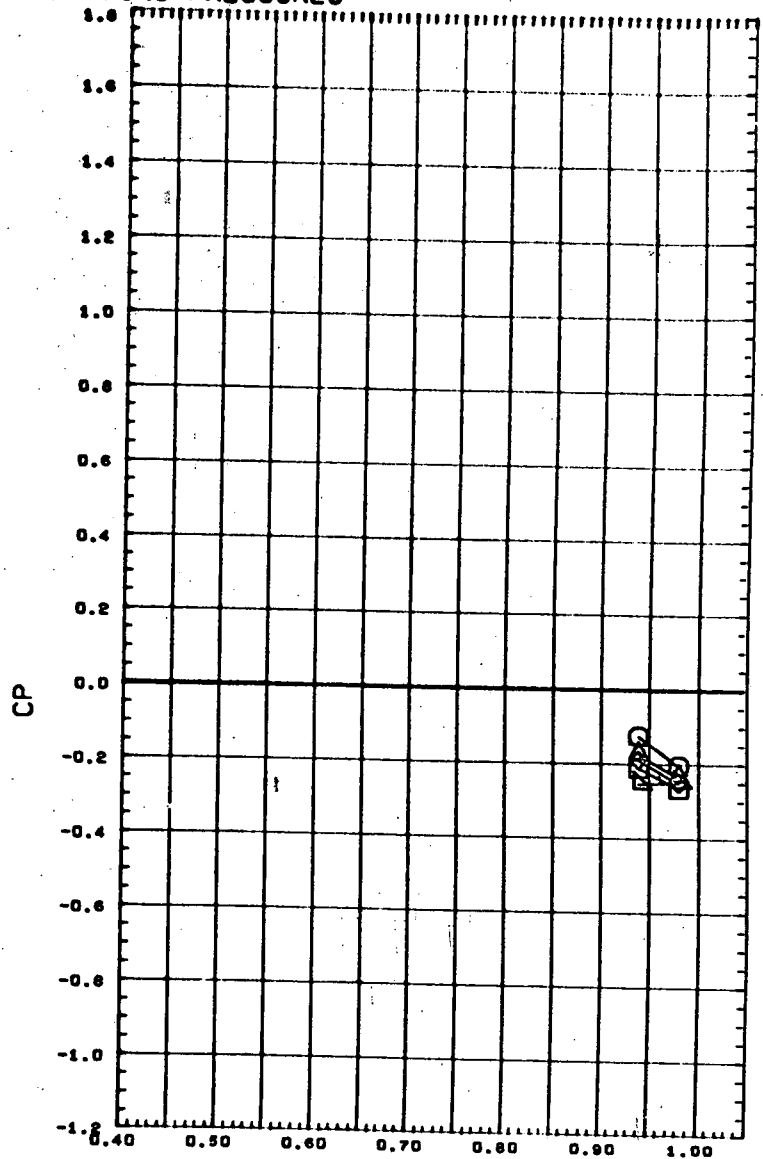
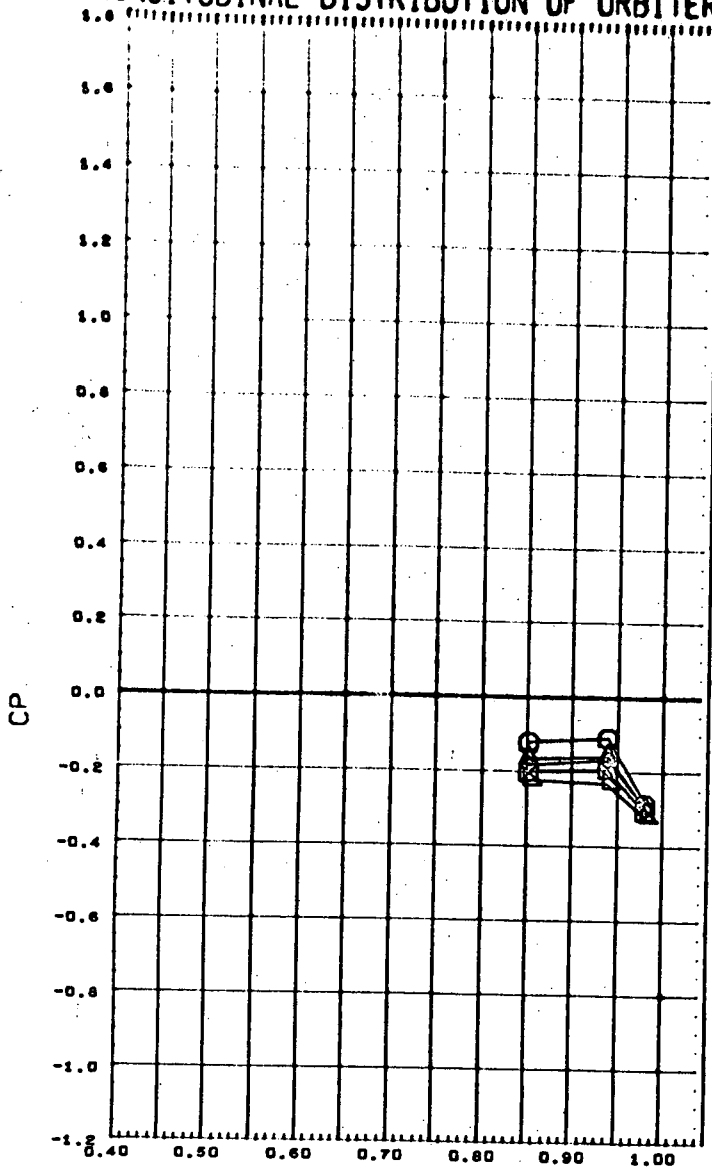
X/L

PARAMETRIC VALUES		
BETA	0.000	DX/L
I	1.900	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC009)

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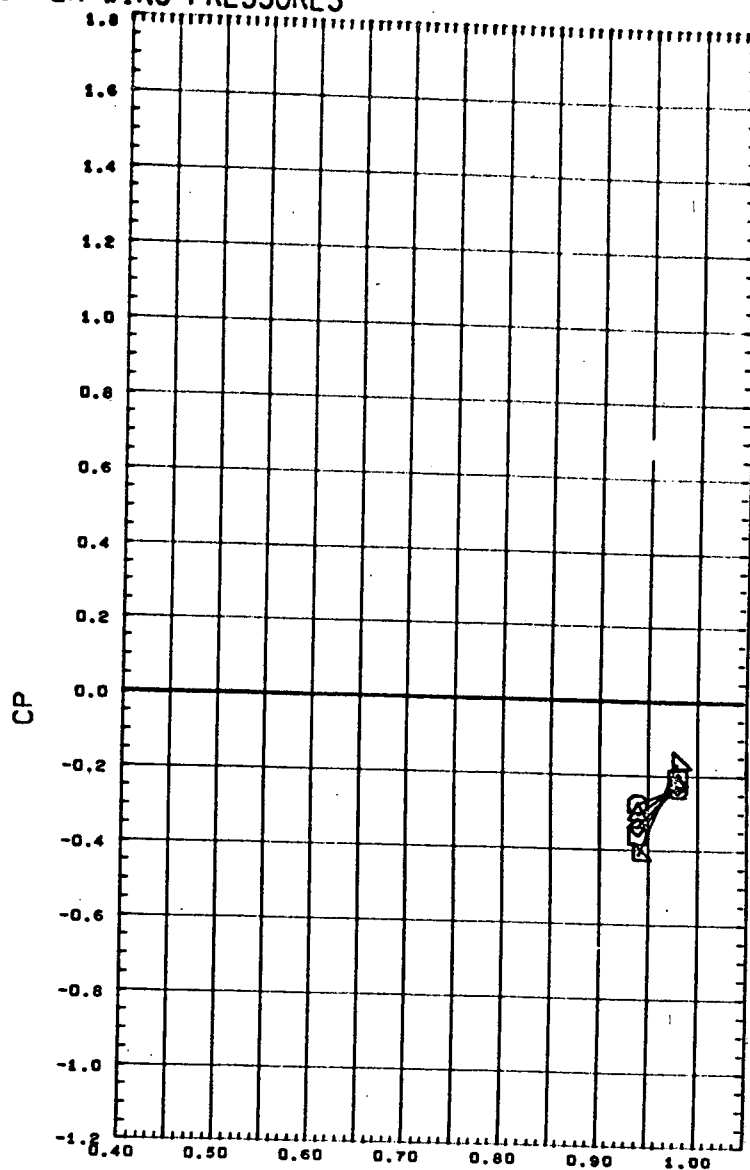
LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	ALFB	Y/B	M1
○	7.919	0.289	1.299
◇	5.804	0.399	
□	4.443		
◻	2.184		
	0.212		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
1	0.000	0.036
	1.900	

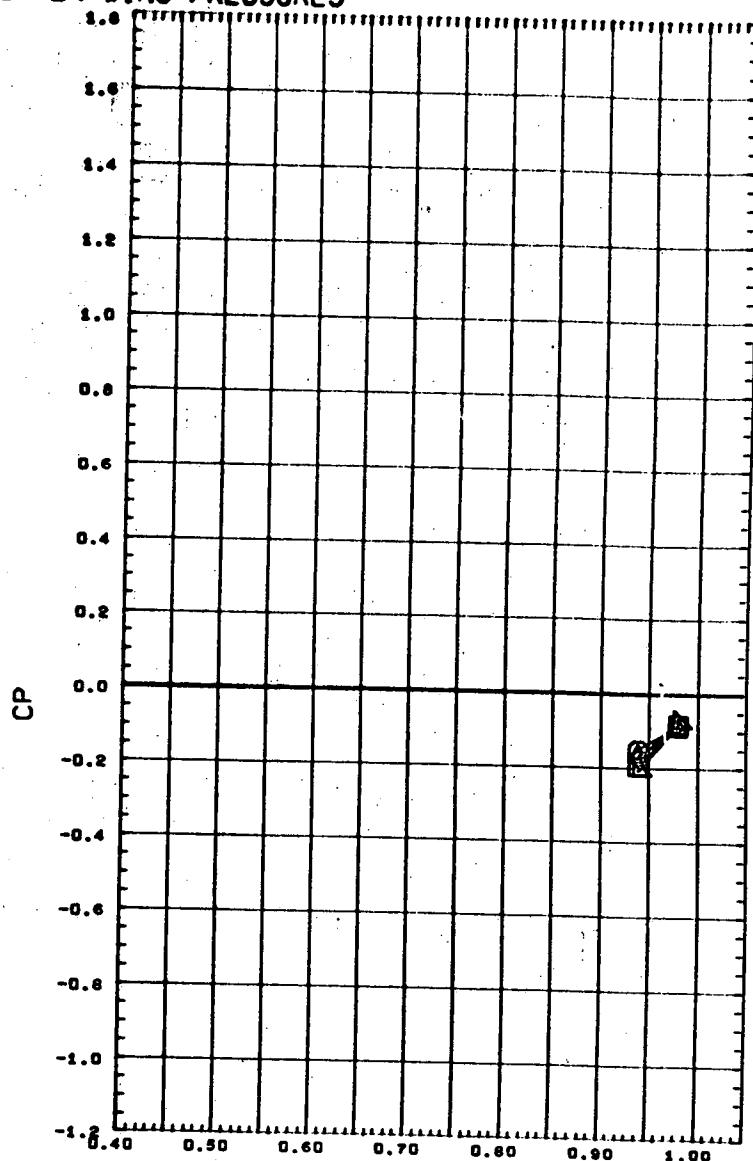
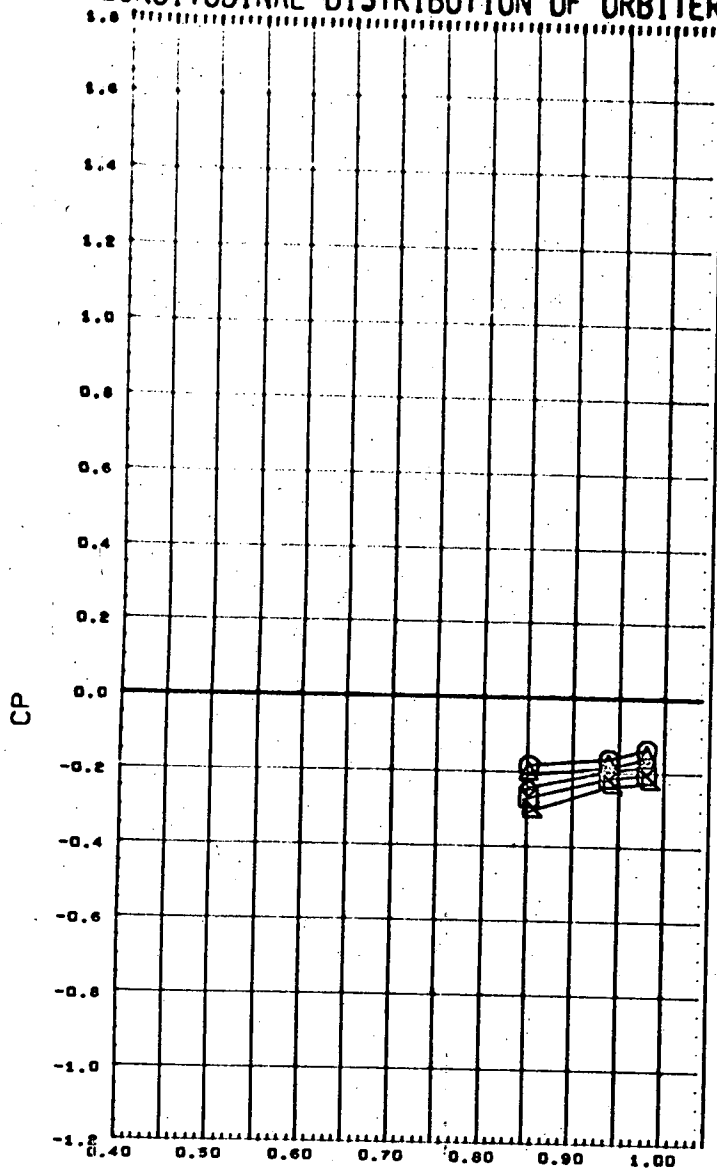


		X/L
ALFB	Y/B	M1
1.918	0.289	1.299
4.204	0.399	
5.543		
7.781		
10.179		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	0.036
I	1.900		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	ALFB	Y/B	M1
○	8.145	0.289	0.602
△	6.431	0.399	
◇	1.886		
□	0.118		
▽	2.110		

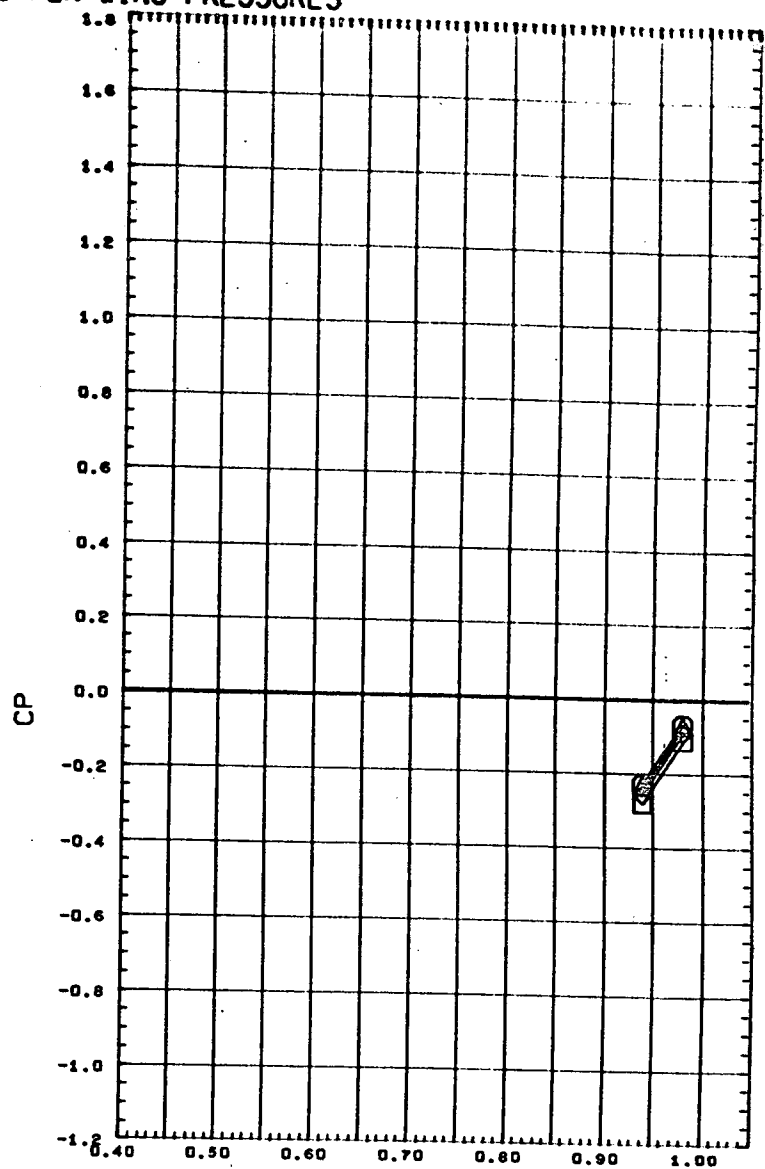
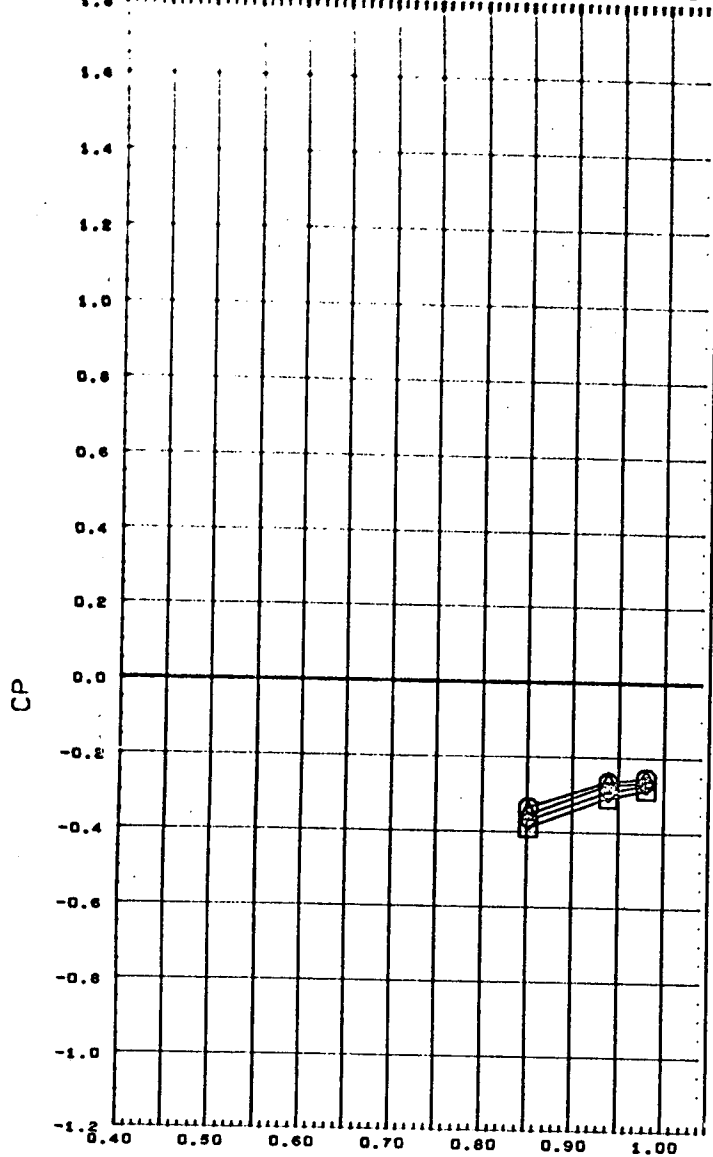
REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	DX/L
	3.800	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC010)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

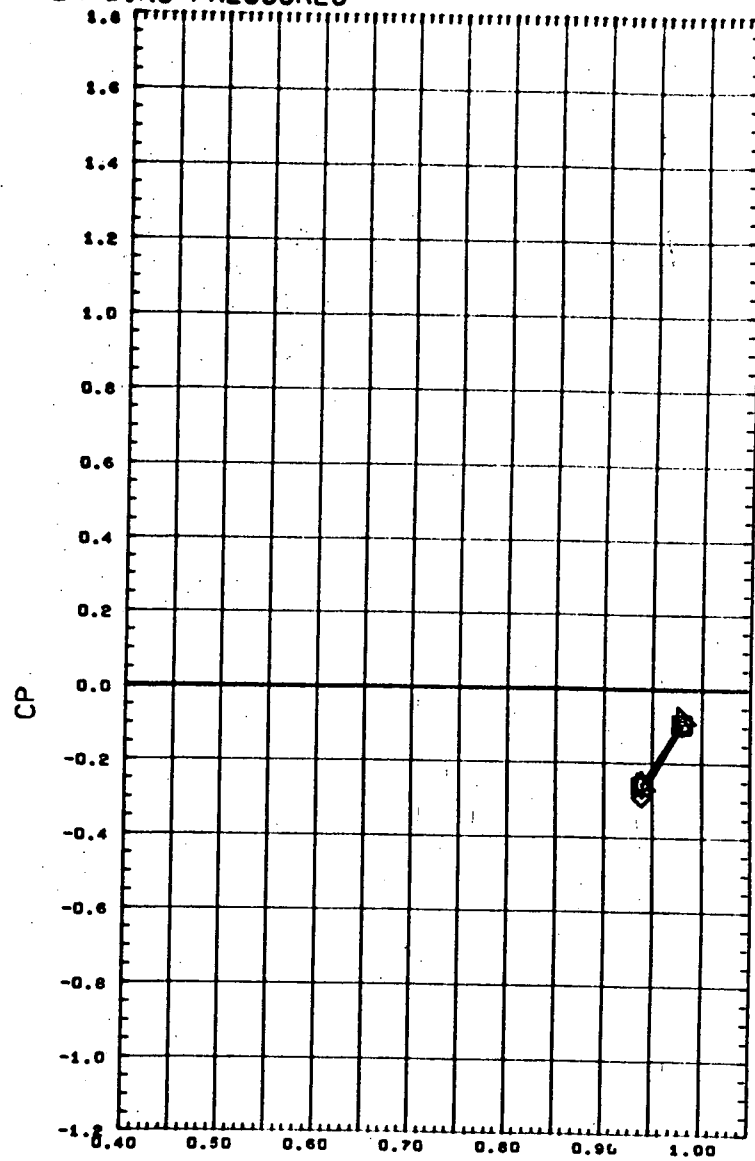
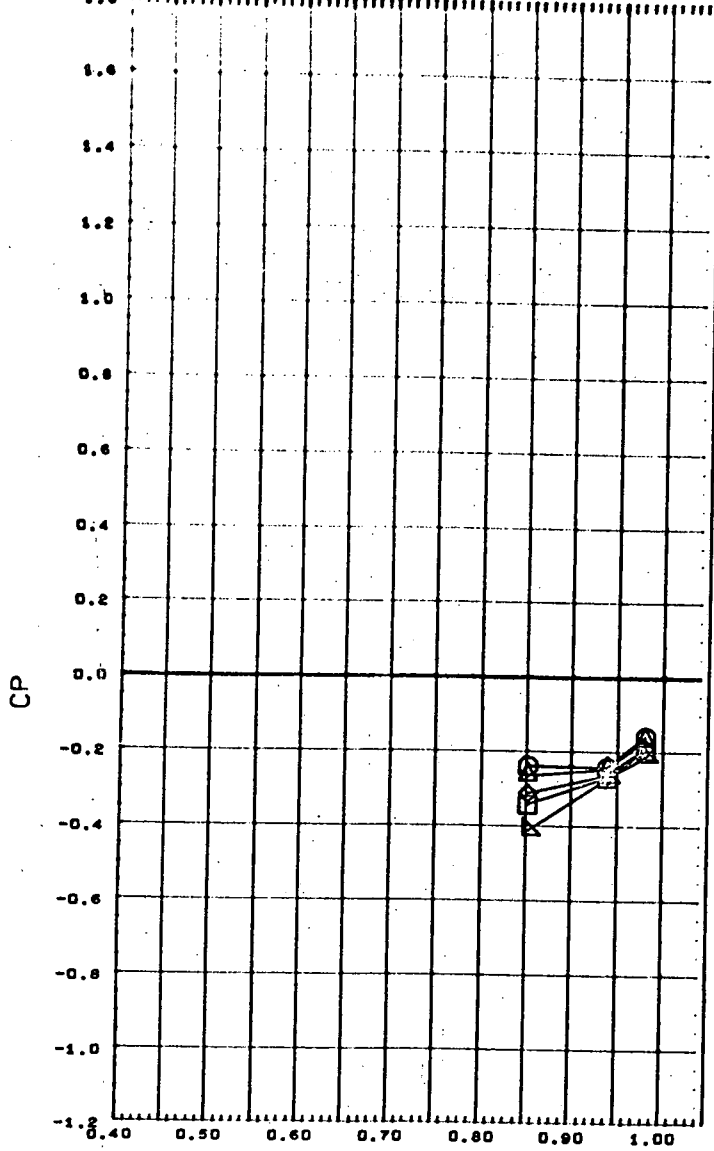


X/L			
SYMBOL	ALFB	Y/B	M1
○	4.101	0.289	0.602
△	6.090	0.399	
◇	7.692		
□	10.115		

X/L		
PARAMETRIC VALUES		
BETA	0.000	0.036
I	3.800	

REFERENCE FILE

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

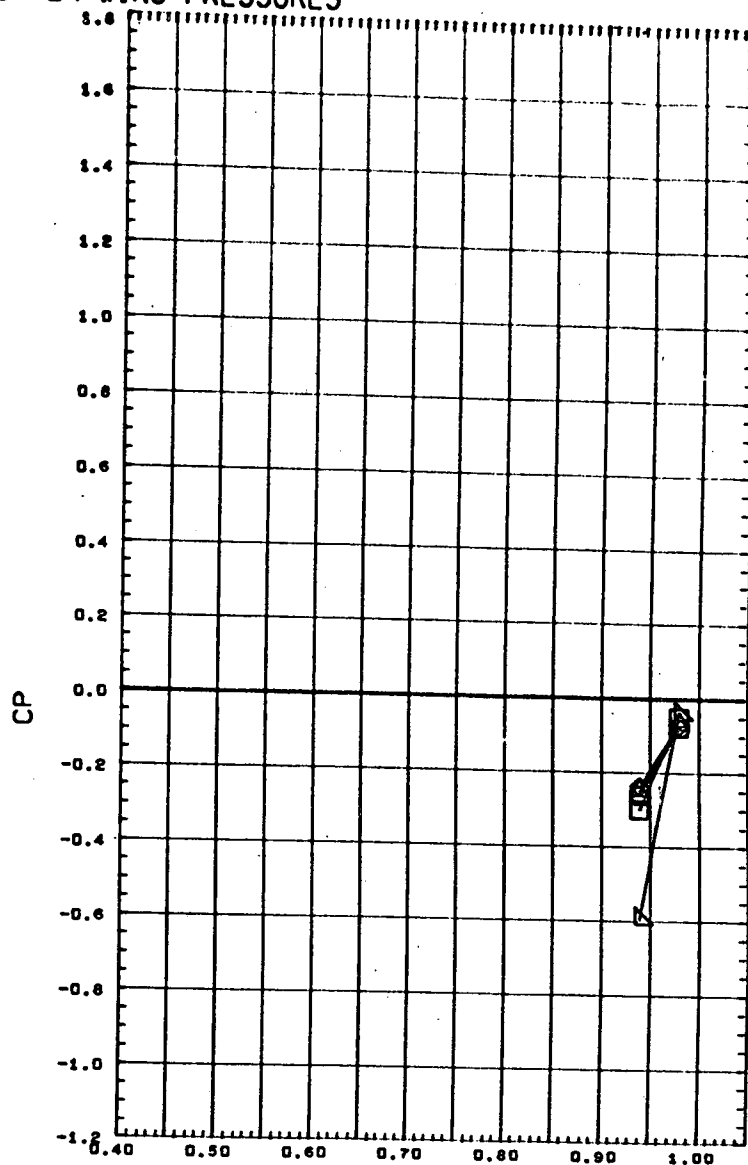
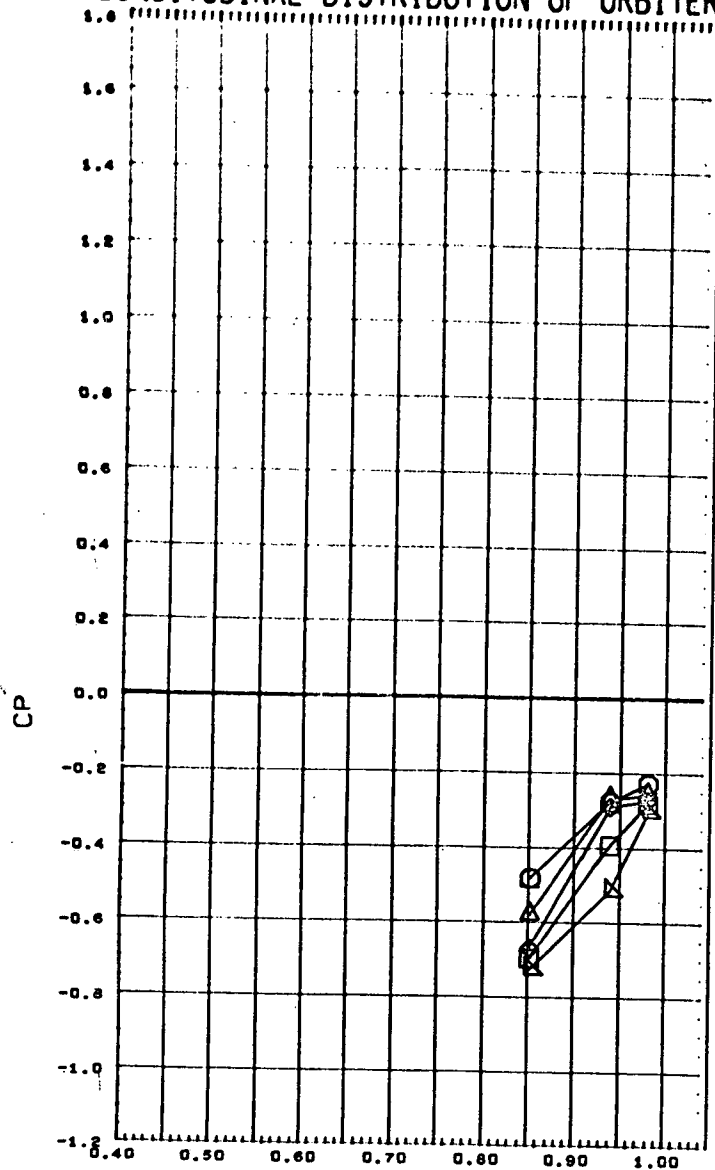


X/L			
SYMBOL	ALFB	Y/B	M1
○	8.247	0.289	0.902
◇	5.623	0.399	
△	3.835		
□	1.848		
▽	0.126		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	0.036
	3.800	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

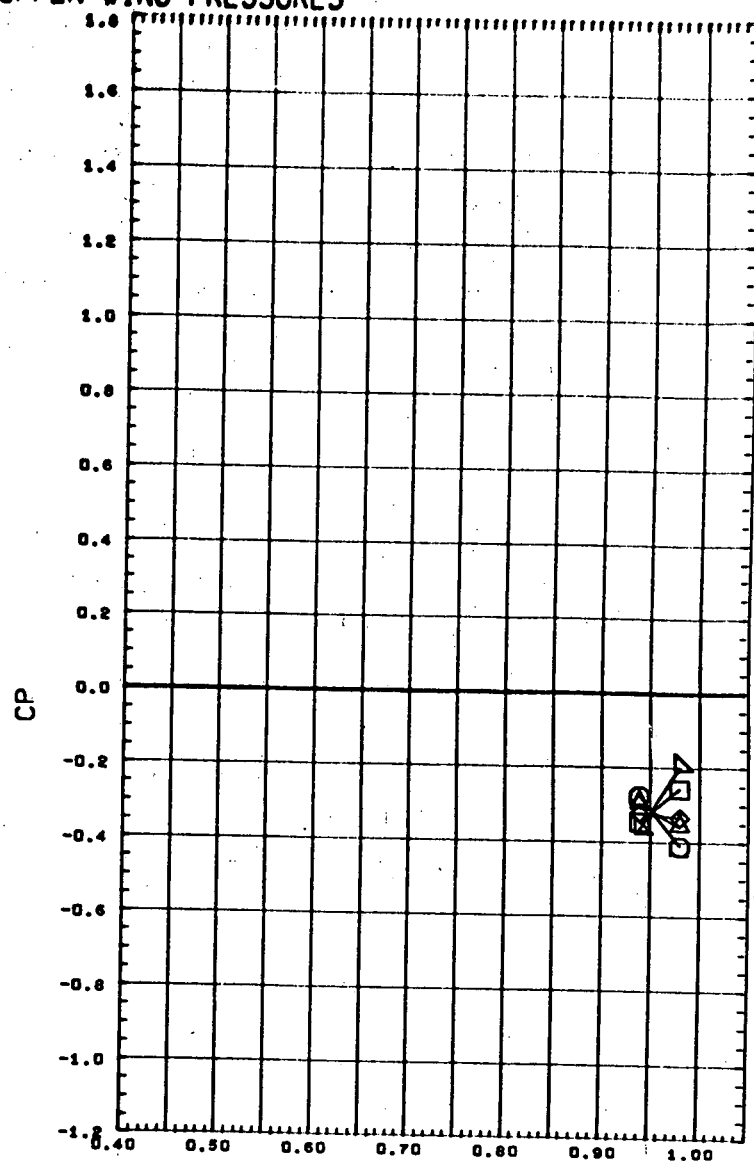
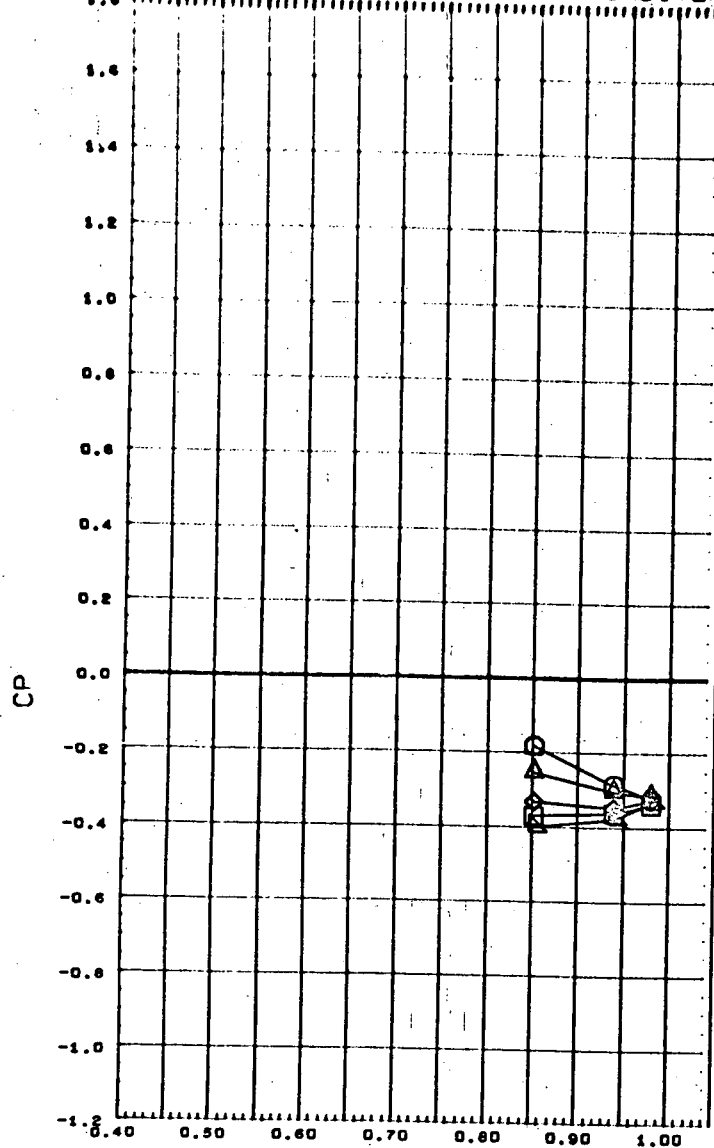


SYMBOL	ALFB	Y/B	M1
○	1.552	0.289	0.902
△	3.765	0.399	
◇	6.165		
□	7.507		
▽	9.767		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.294	0.289	1.002
△	- 5.781	0.399	
◇	- 3.822		
□	- 1.824		
◻	- 0.452		

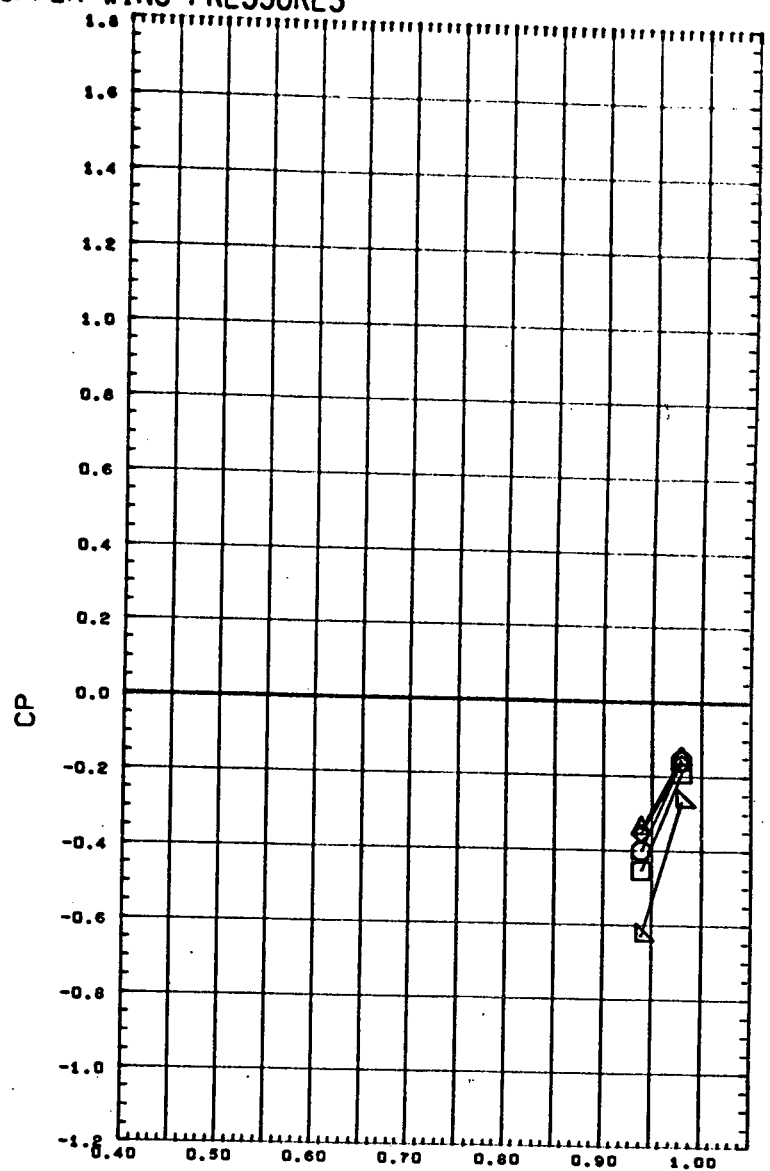
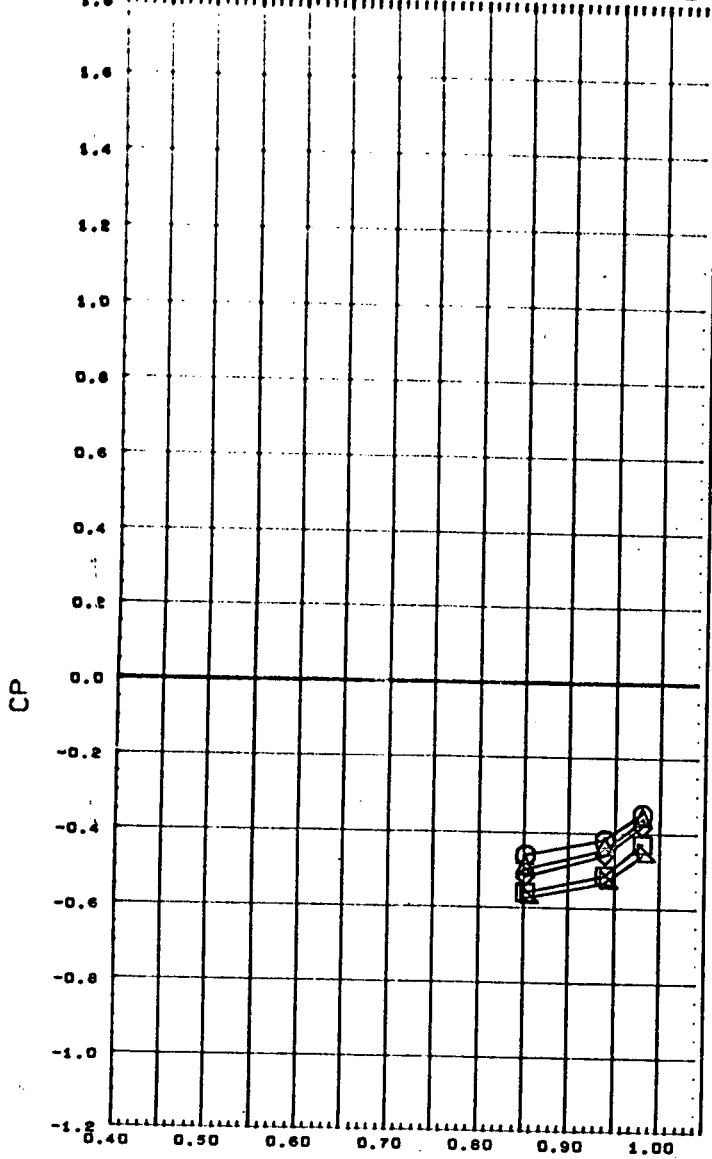
REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L 0.036
I	3.800	

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC010)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

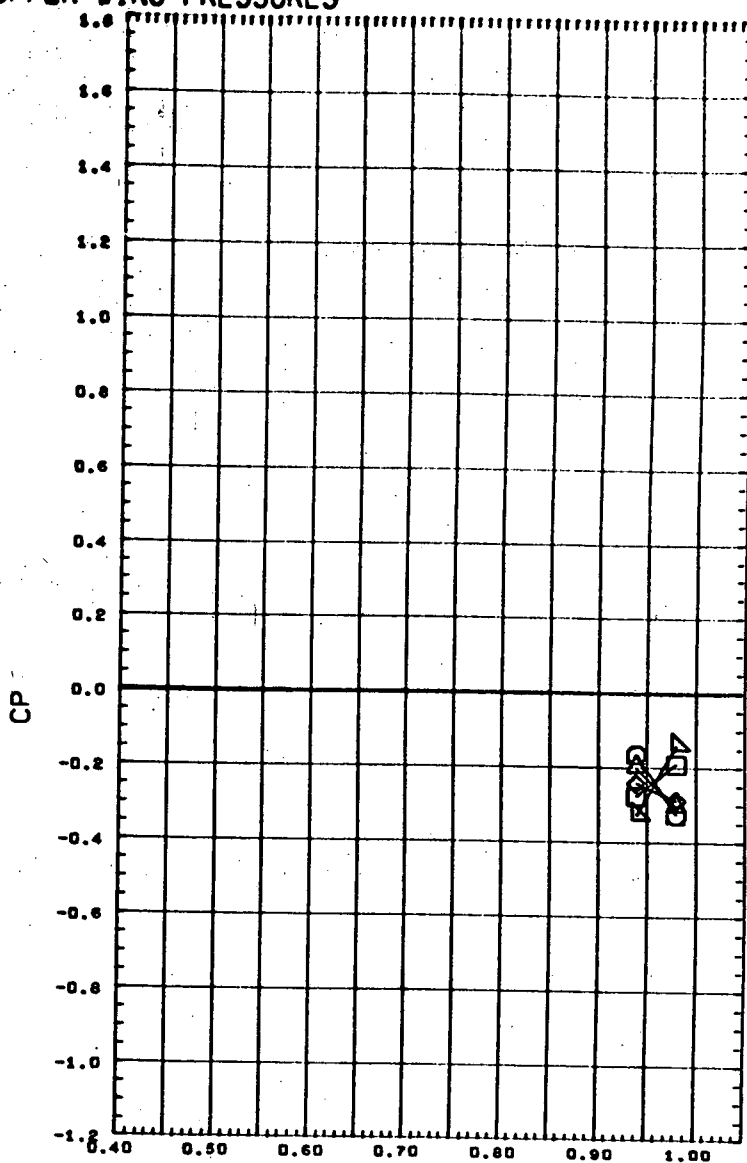
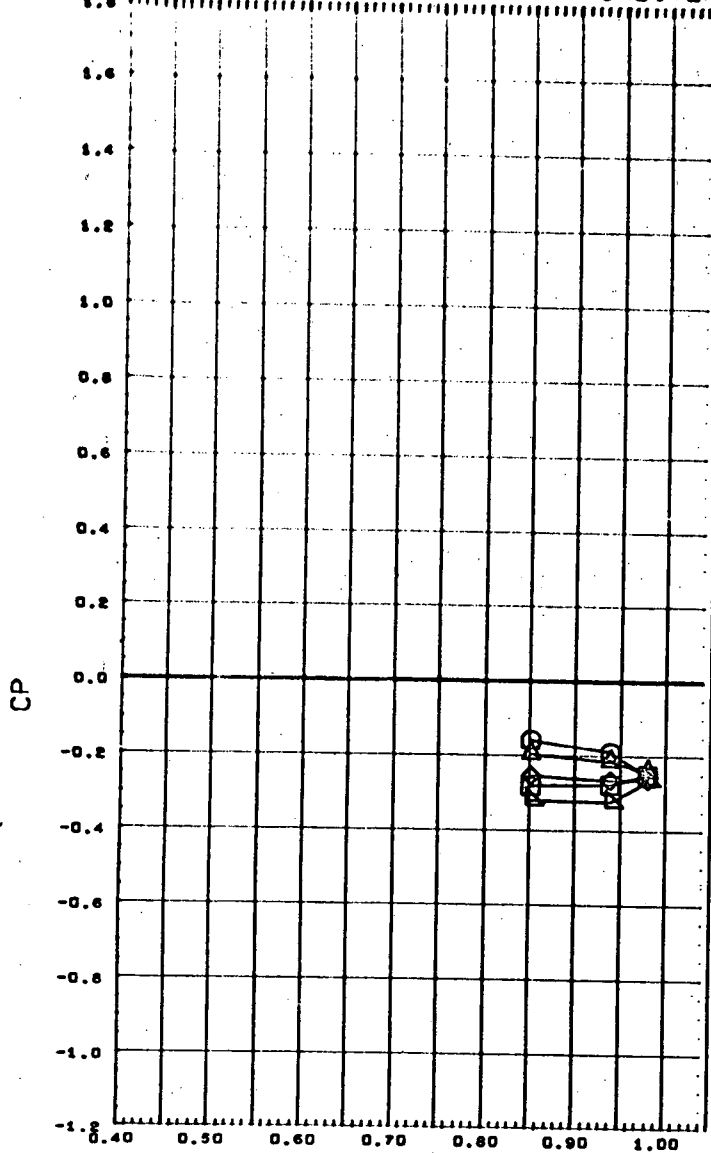


SYMBOL	ALFB	Y/B	M1
○	2.116	0.289	1.002
◇	4.156	0.399	
△	5.934		
□	7.374		
▽	10.204		

REFERENCE FILE

X/L	PARAMETRIC VALUES
BETA	0.000
I	3.800
OX/L	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

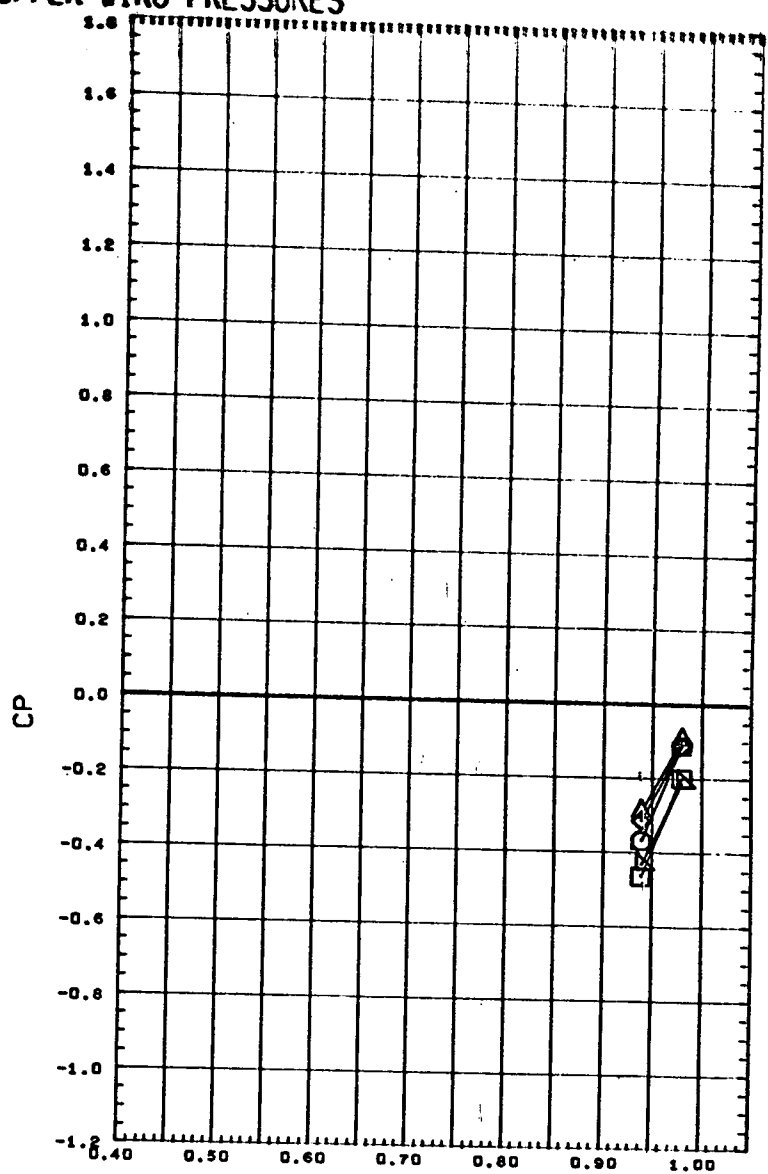
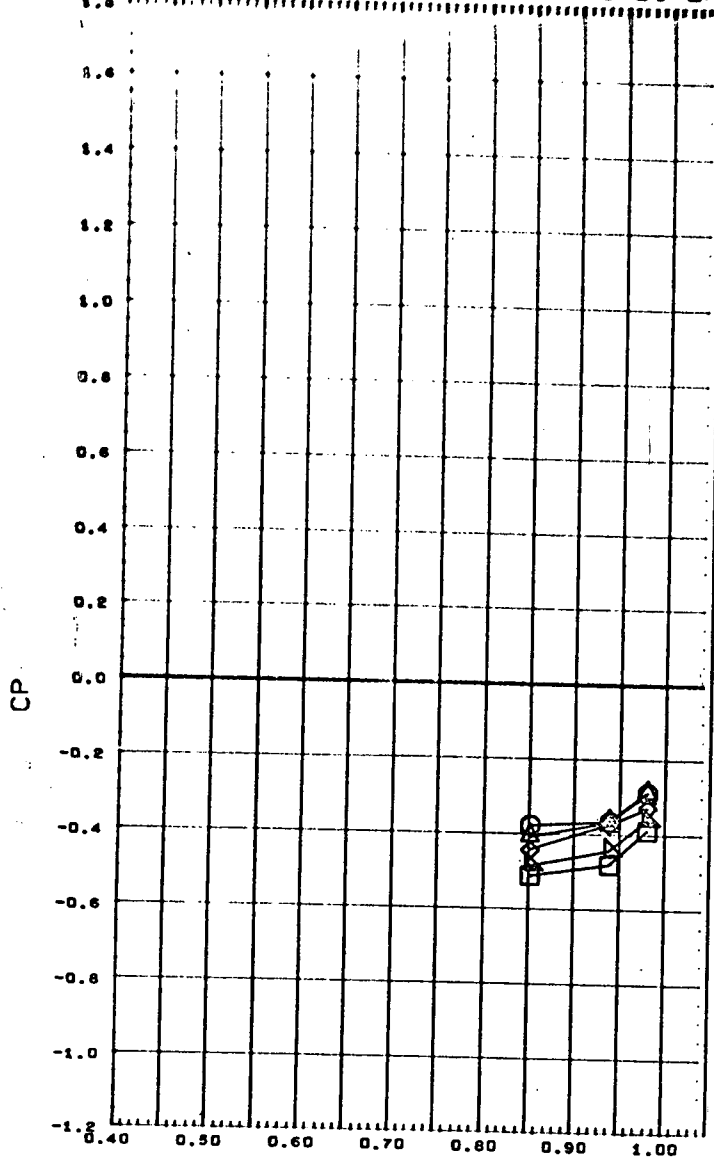


SYMBOL	X/L		
	ALFB	Y/B	M1
○	- 8.281	0.289	1.099
△	- 5.784	0.399	
◇	- 3.817		
□	- 1.823		
◇	- 0.455		

REFERENCE FILE

X/L		
PARAMETRIC VALUES		
BETA	0.000	DX/L
I	3.800	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
○	2.207	0.269	1.099
△	4.159	0.399	
◇	6.174		
□	8.149		
◻	9.546		

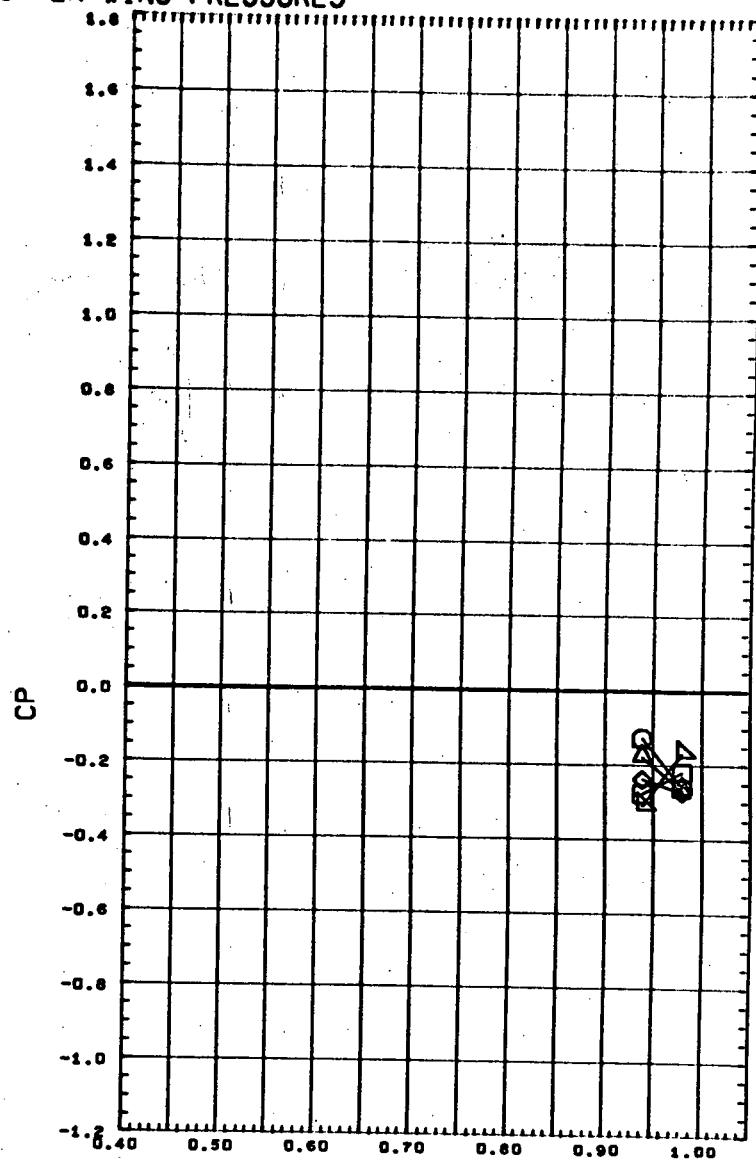
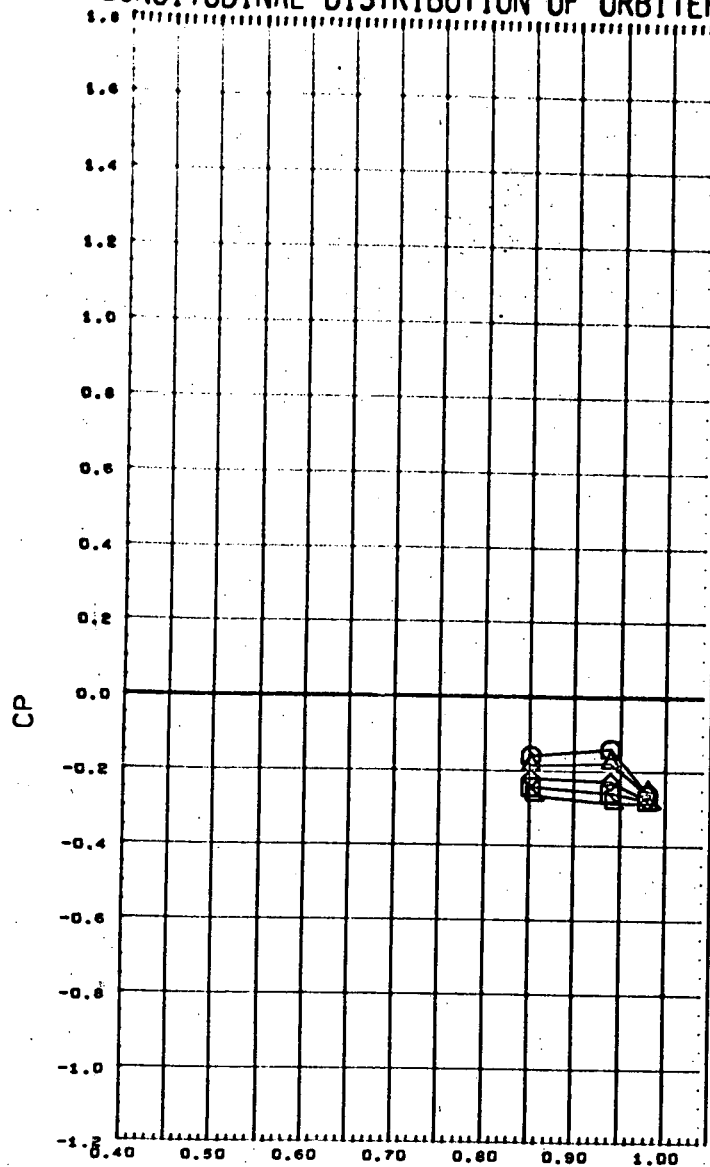
REFERENCE FILE

X/L	PARAMETRIC VALUES	
BETA	0.000	DX/L
1	3.800	0.036

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC010)

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LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

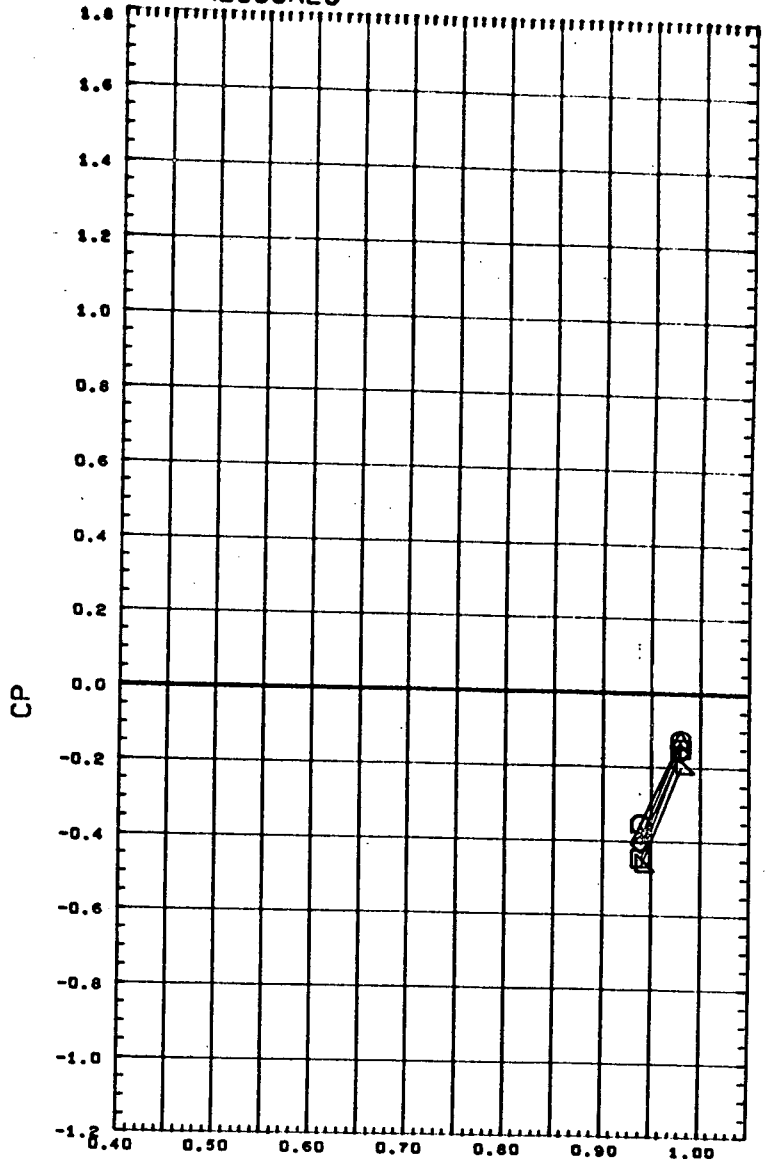
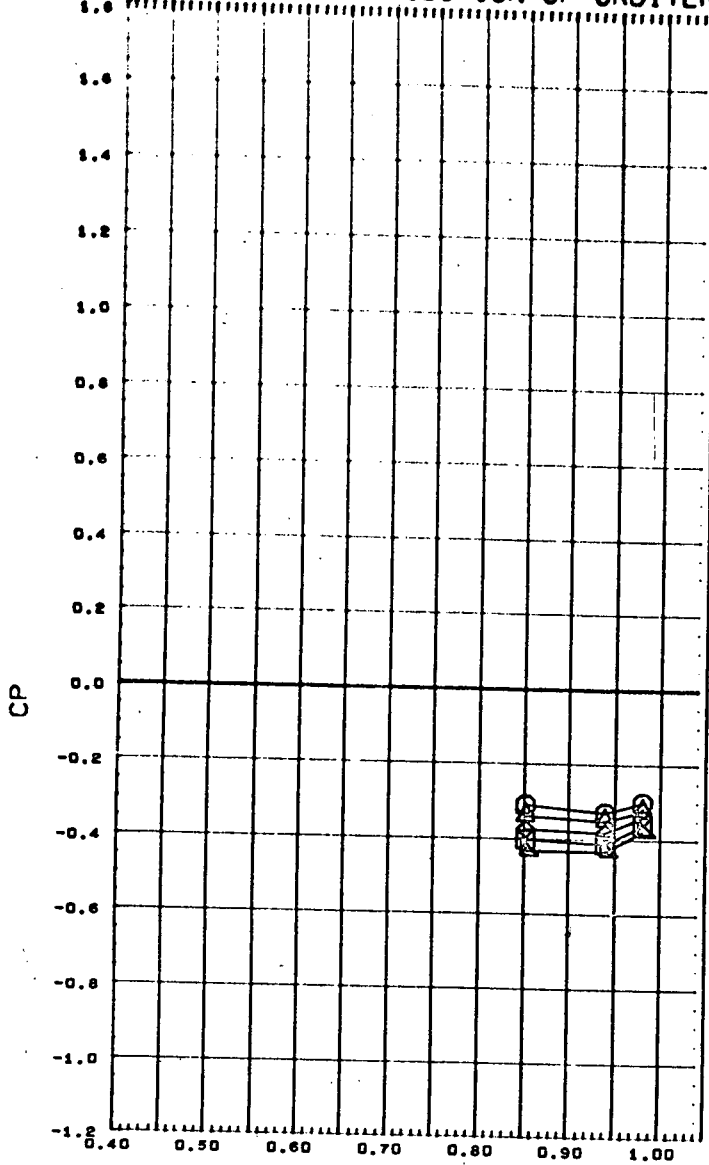


SYMBOL	ALFB	Y/B	M1
○	8.310	0.289	1.199
△	5.780	0.399	
◇	3.815		
□	1.813		
■	0.450		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	0.036
I	3.600	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

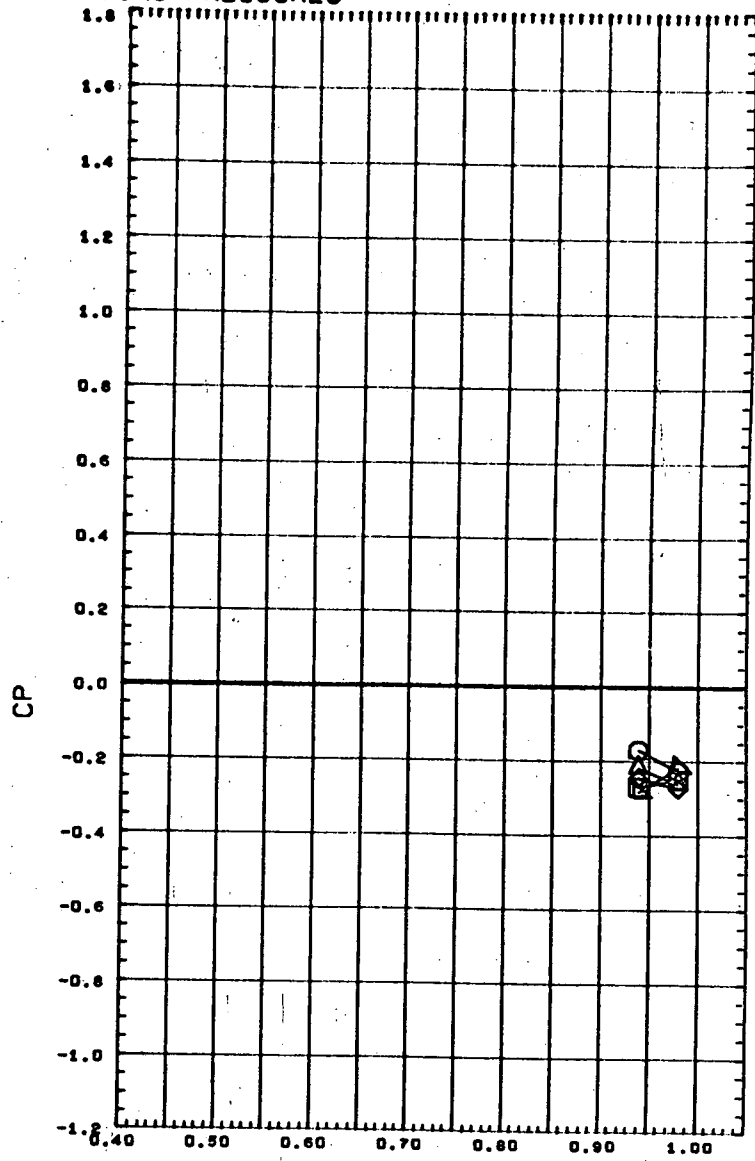
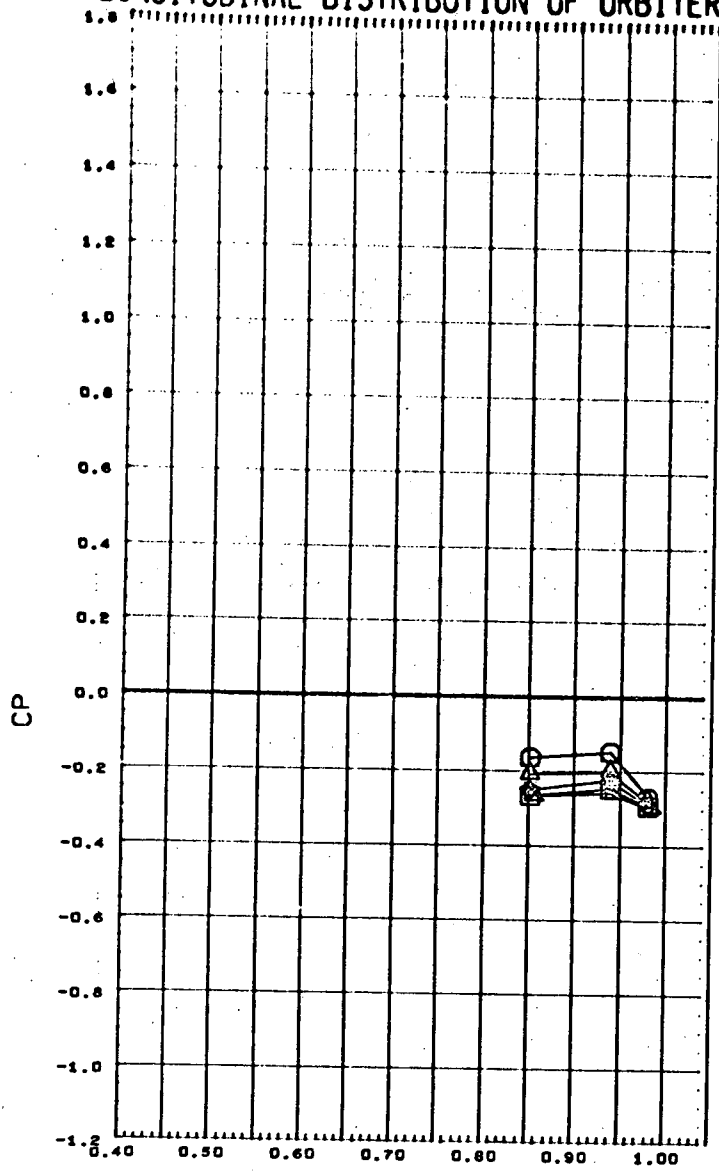


SYMBOL	ALFB	Y/B	X/L	M1
◇	2.219	0.289		1.199
◇	4.179	0.399		
◇	6.175			
◇	8.168			
◇	9.532			

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	OX/L
I	3.800	0.036

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

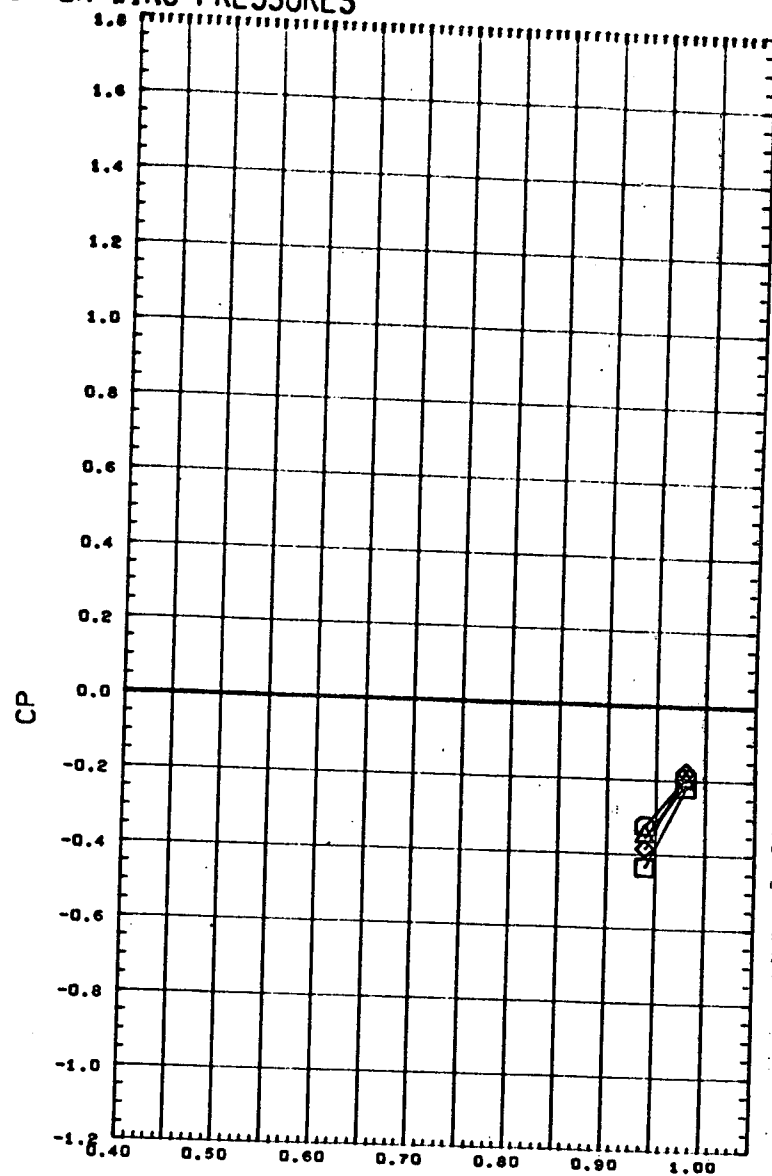
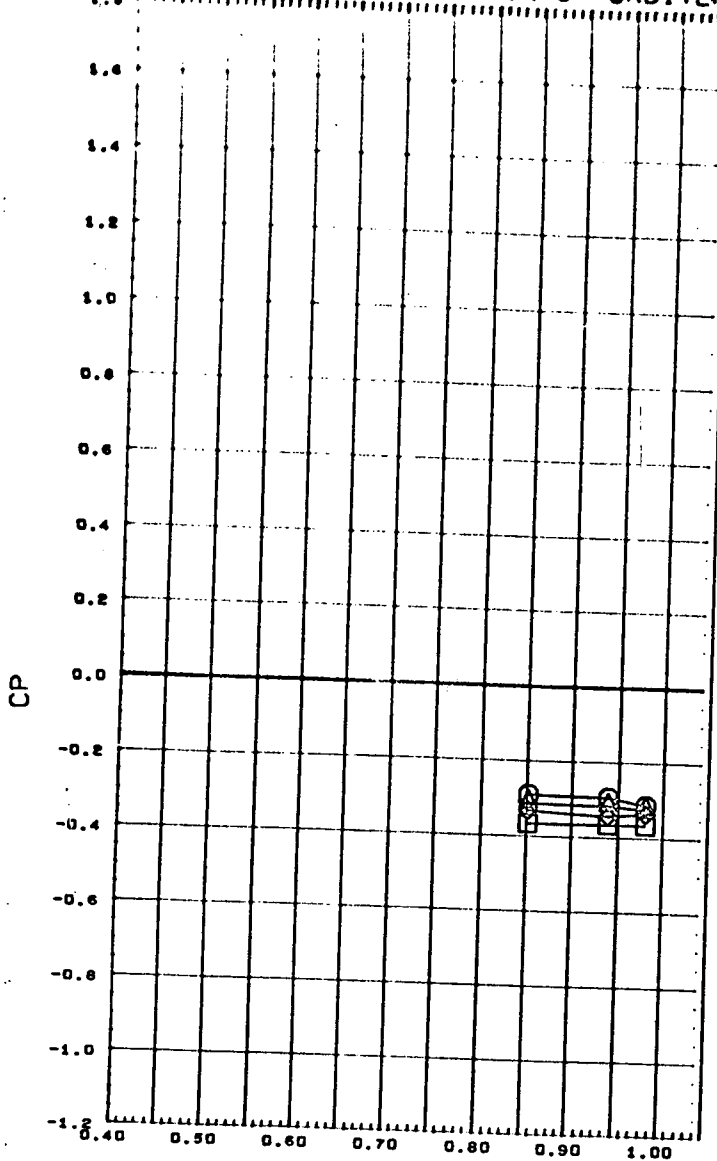


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 8.317	0.289	1.297
△	- 5.788	0.399	
◇	- 3.823		
□	- 1.808		
◻	- 0.447		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	OX/L	0.036
I	3.800		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



SYMBOL	ALFB	Y/B	M1
□	2.215	0.289	1.297
◇	4.170	0.399	
△	6.162		
○	8.160		

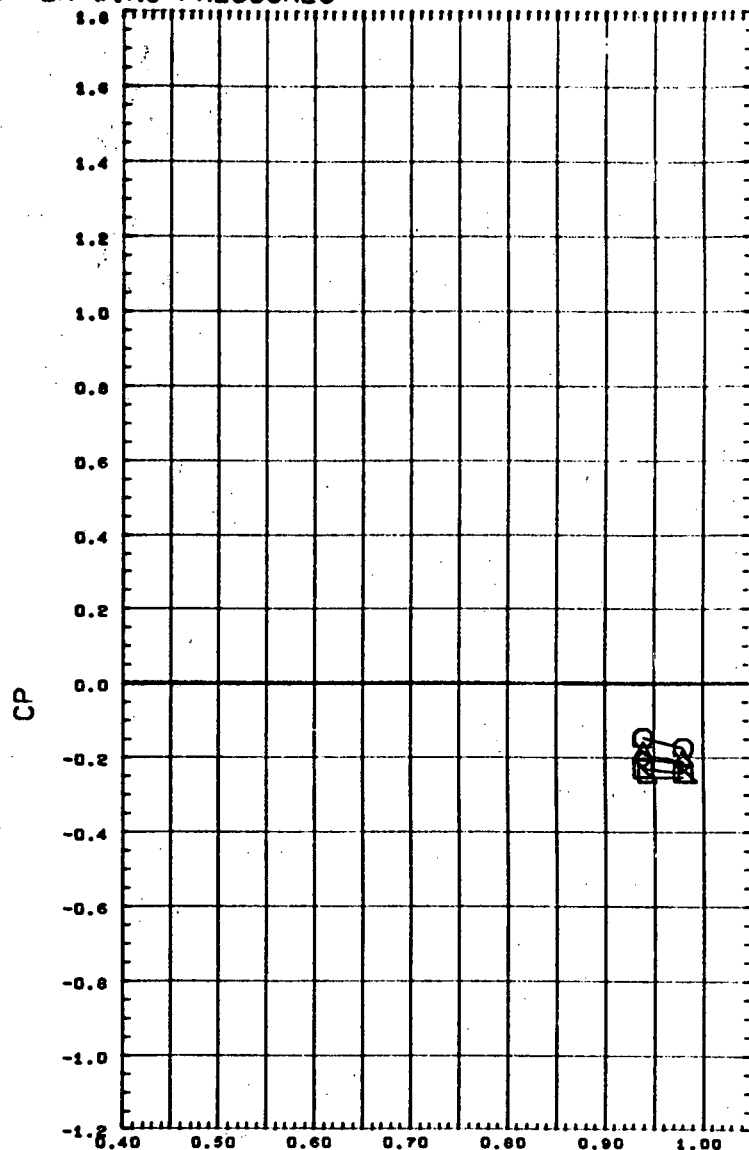
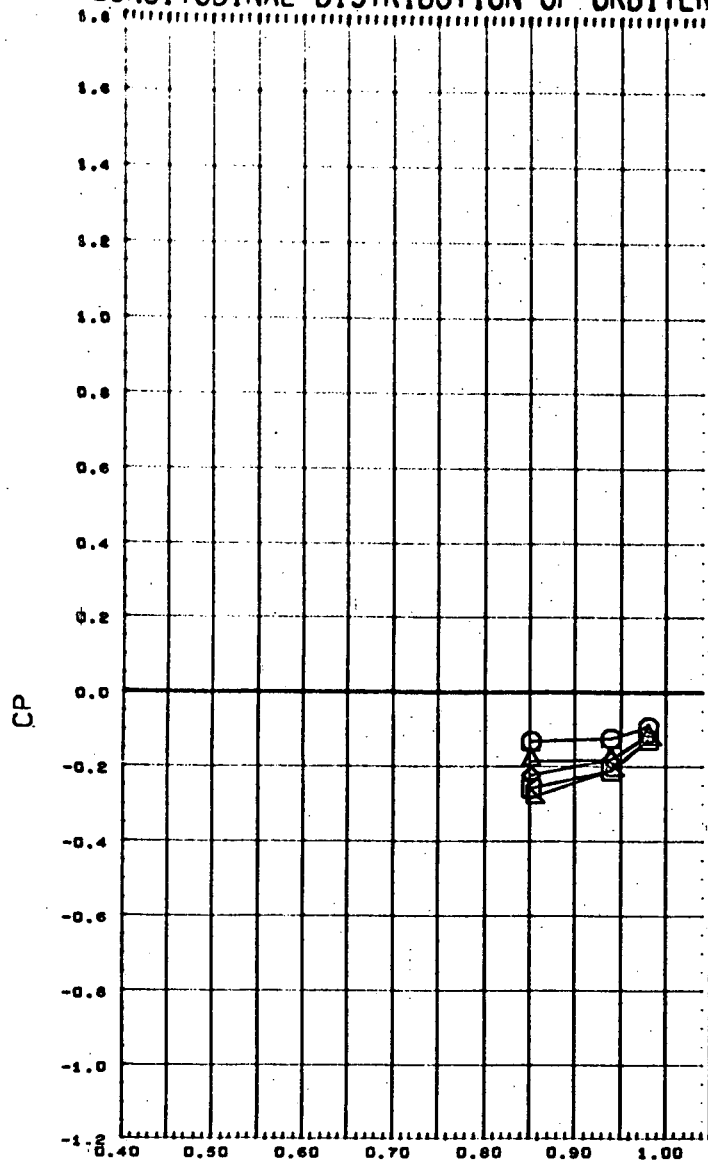
X/L

BETA	PARAMETRIC VALUES	DX/L	
I	0.000		0.036
	3.800		

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC010)

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

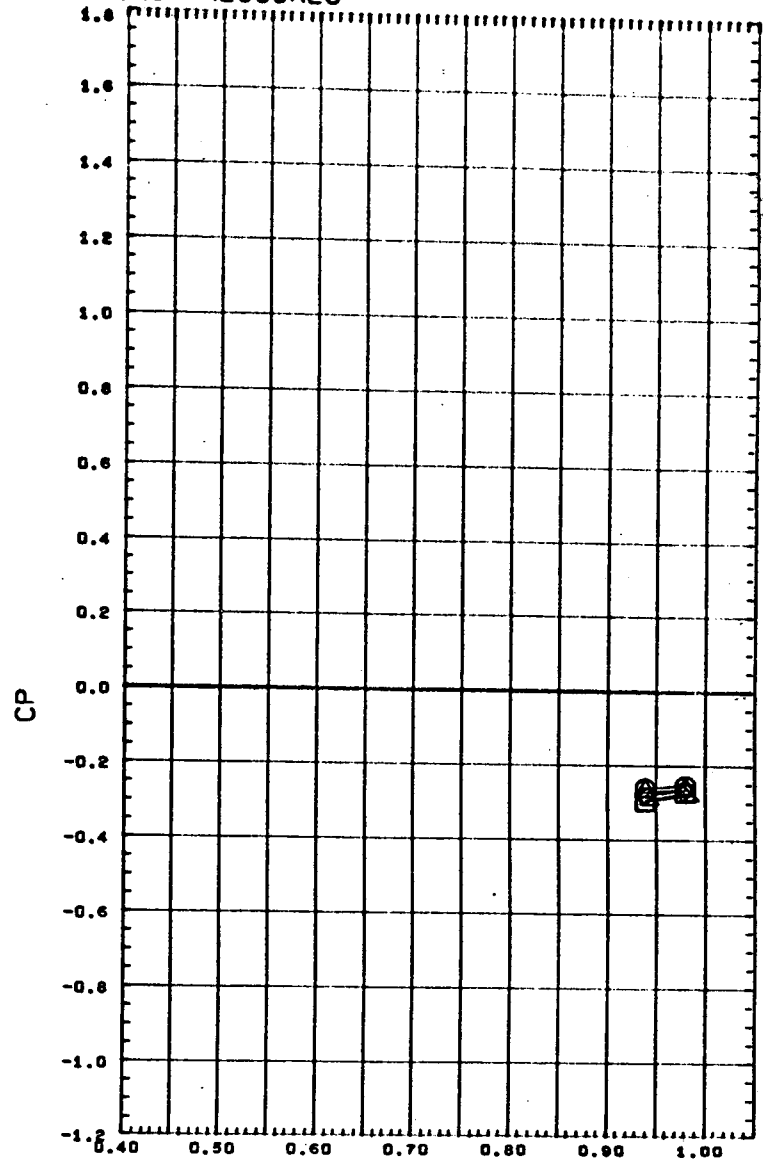
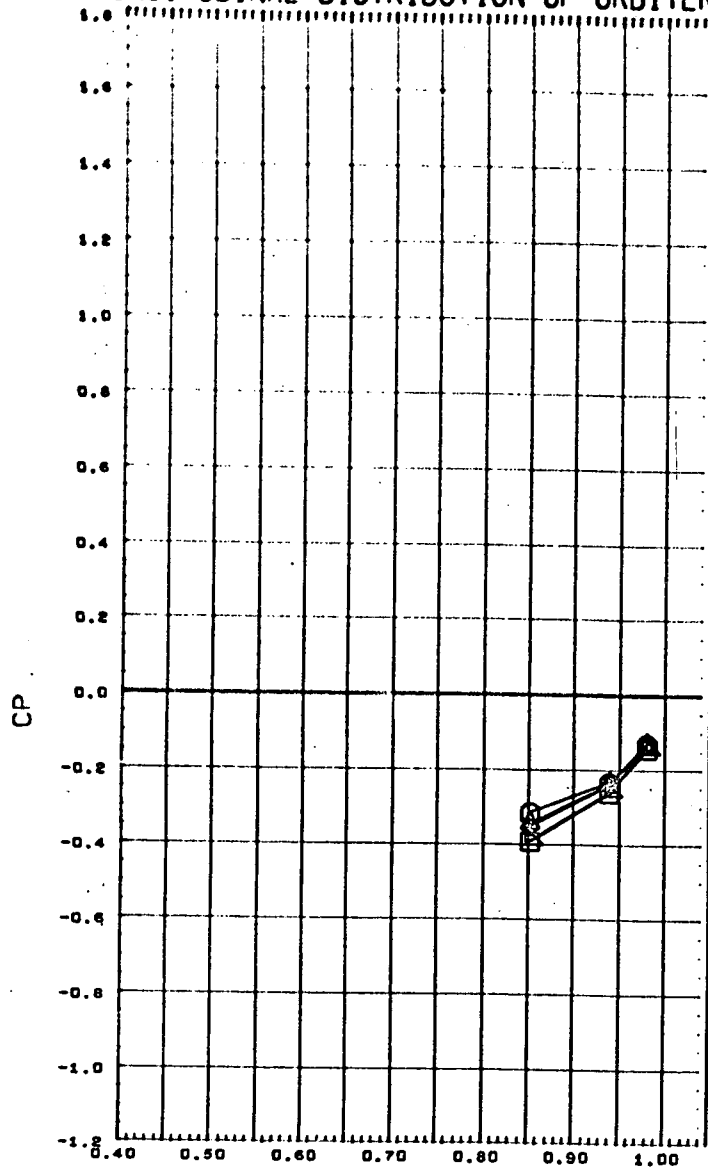


SYMBOL	ALFB	Y/B	M1
△	8.188	0.289	0.598
◇	5.890	0.399	
□	3.880		
○	1.881		
●	0.100		

REFERENCE FILE

	X/L	PARAMETRIC VALUES
BETA	0.000	DX/L - 0.194
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

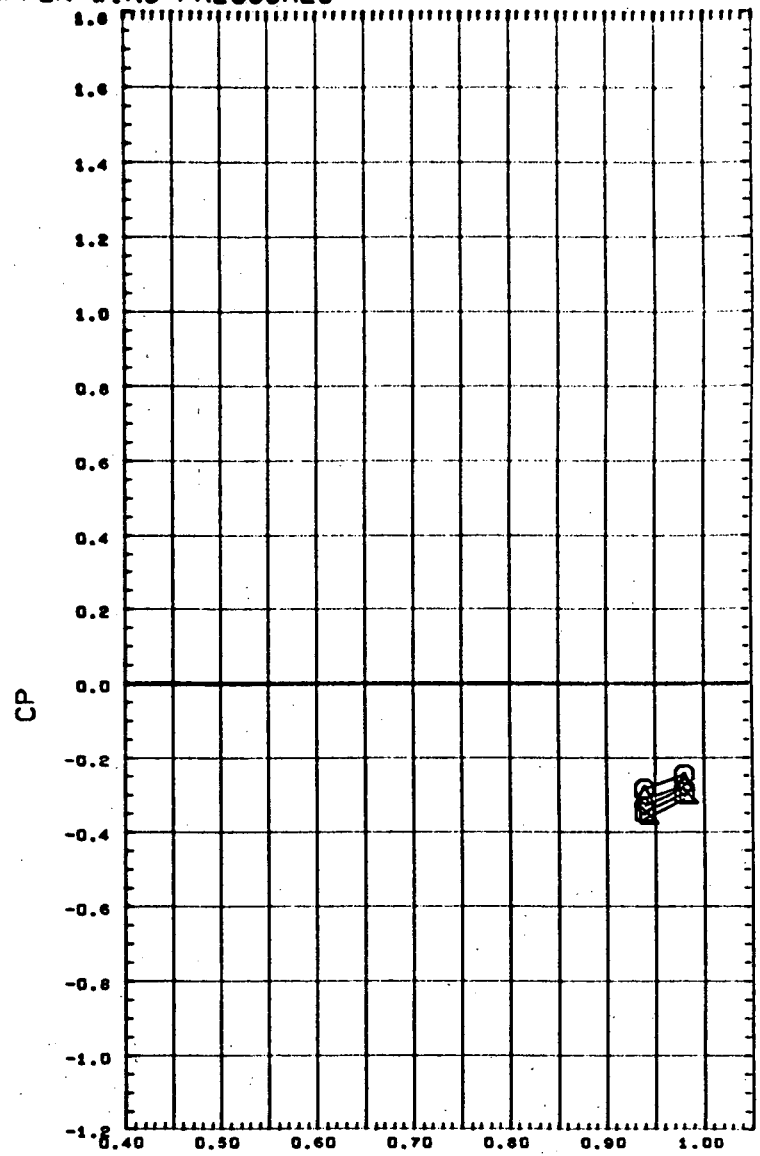
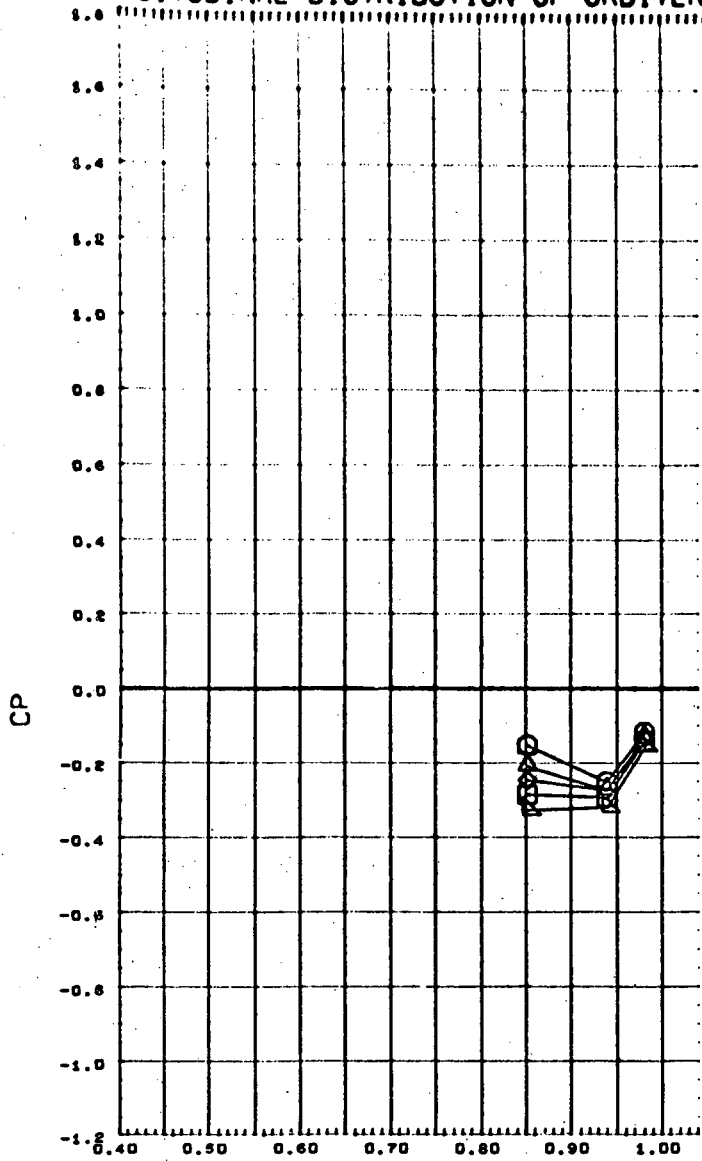


SYMBOL	ALFB	Y/B	M1
○	2.097	0.289	0.598
△	4.096	0.399	
◇	6.063		
□	8.094		
◇	10.082		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	OX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

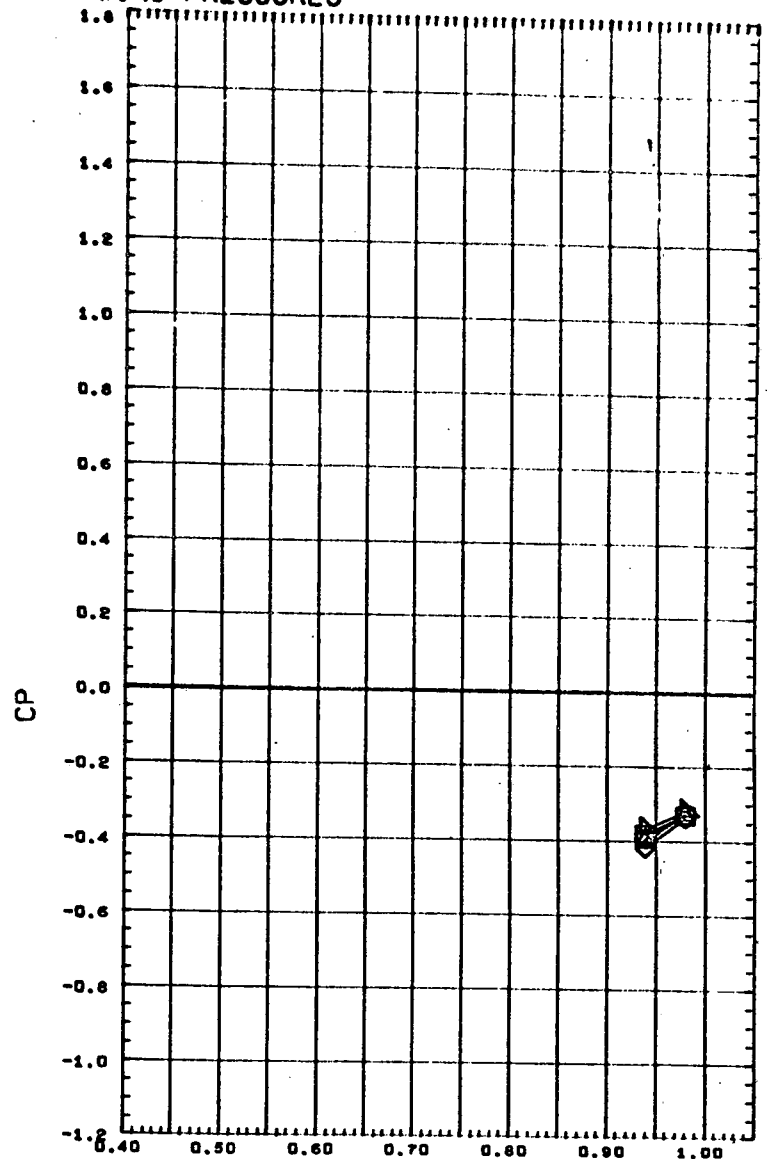
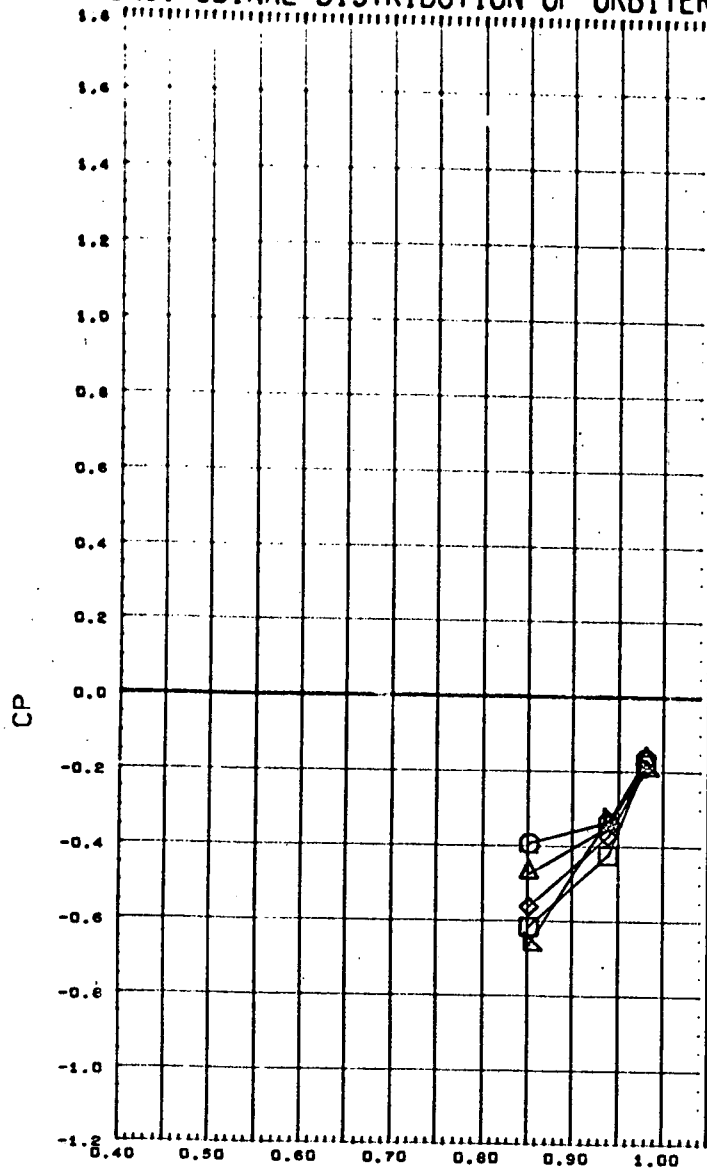


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.940	0.289	0.900
△	- 5.847	0.399	
◇	- 3.836		
□	- 1.843		
▽	0.144		

REFERENCE FILE

X/L			
BETA	PARAMETRIC VALUES		
I	0.000	OX/L	- 0.194
	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

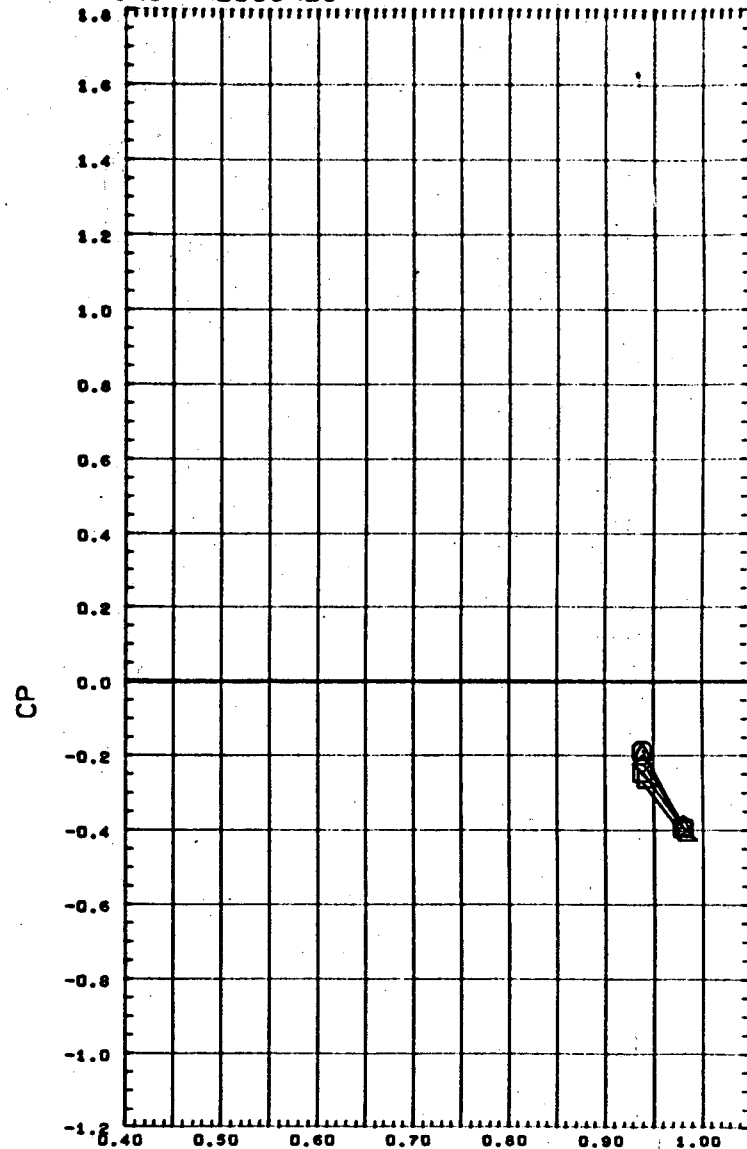
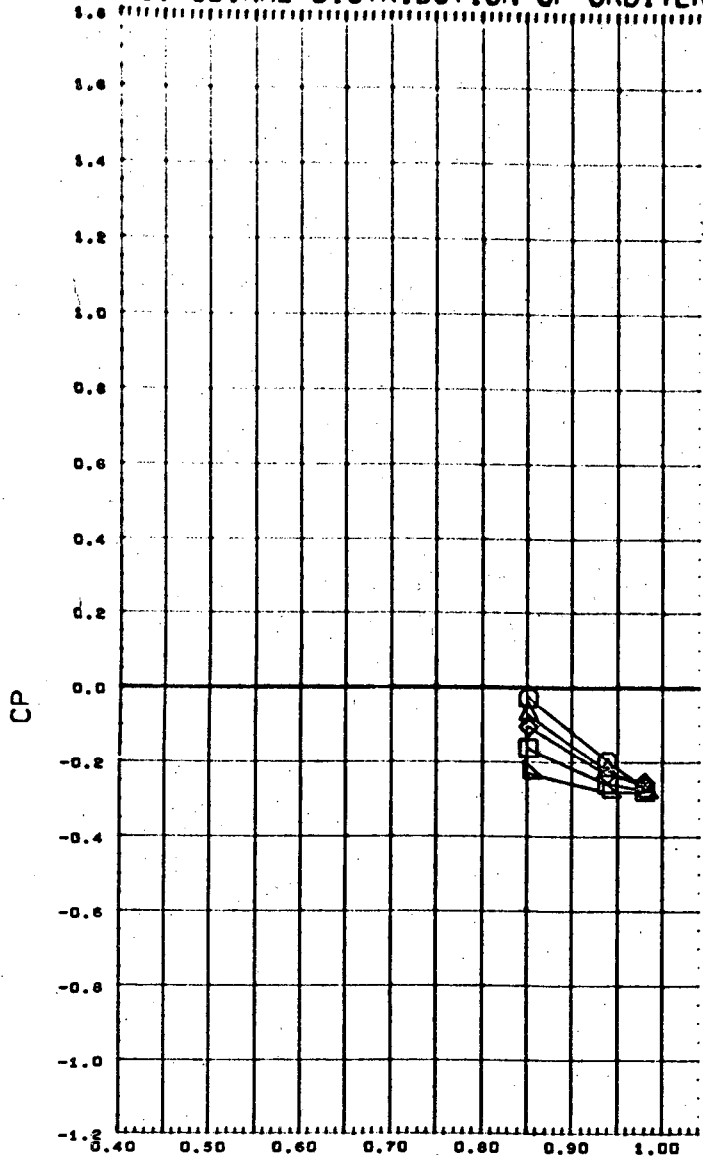


SYMBOL	ALFB	Y/B	M1
○	2.153	0.289	0.900
△	4.141	0.399	
◇	6.125		
□	8.130		
▽	10.089		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	OX/L	0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

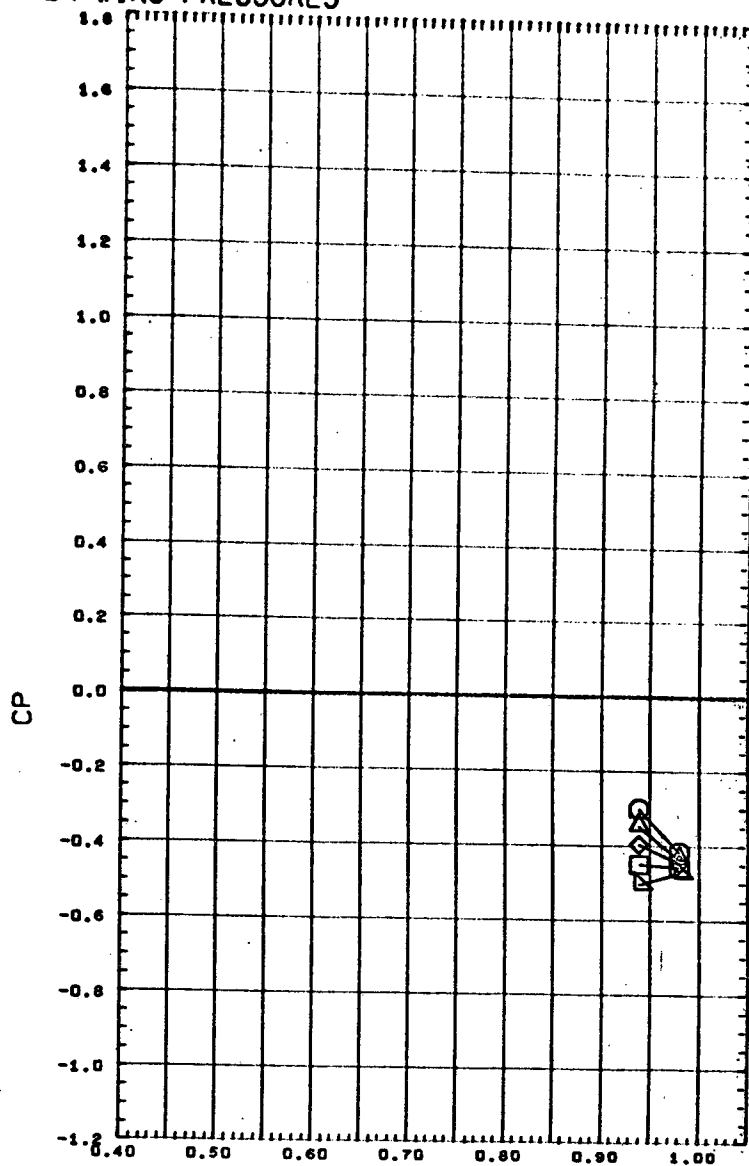
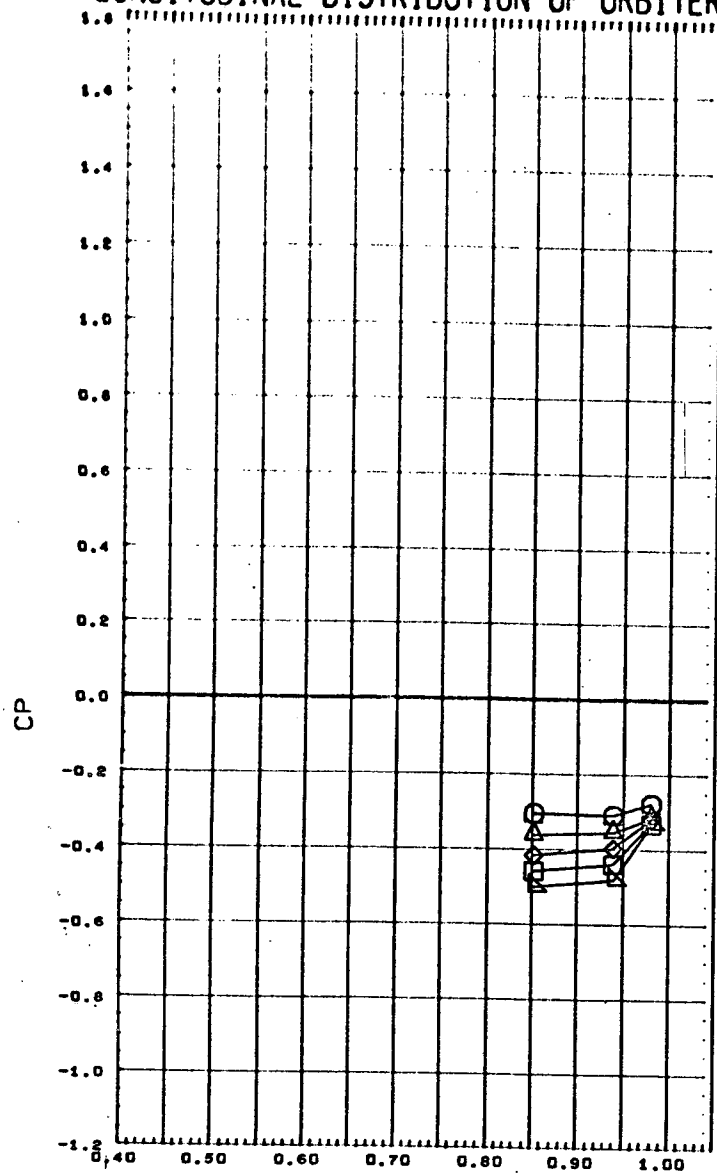


X/L			
SYMBOL	ALFB	Y/B	M1
○	- 7.910	0.289	1.000
△	- 5.806	0.399	
◇	- 3.814		
□	- 1.822		
▽	0.152		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

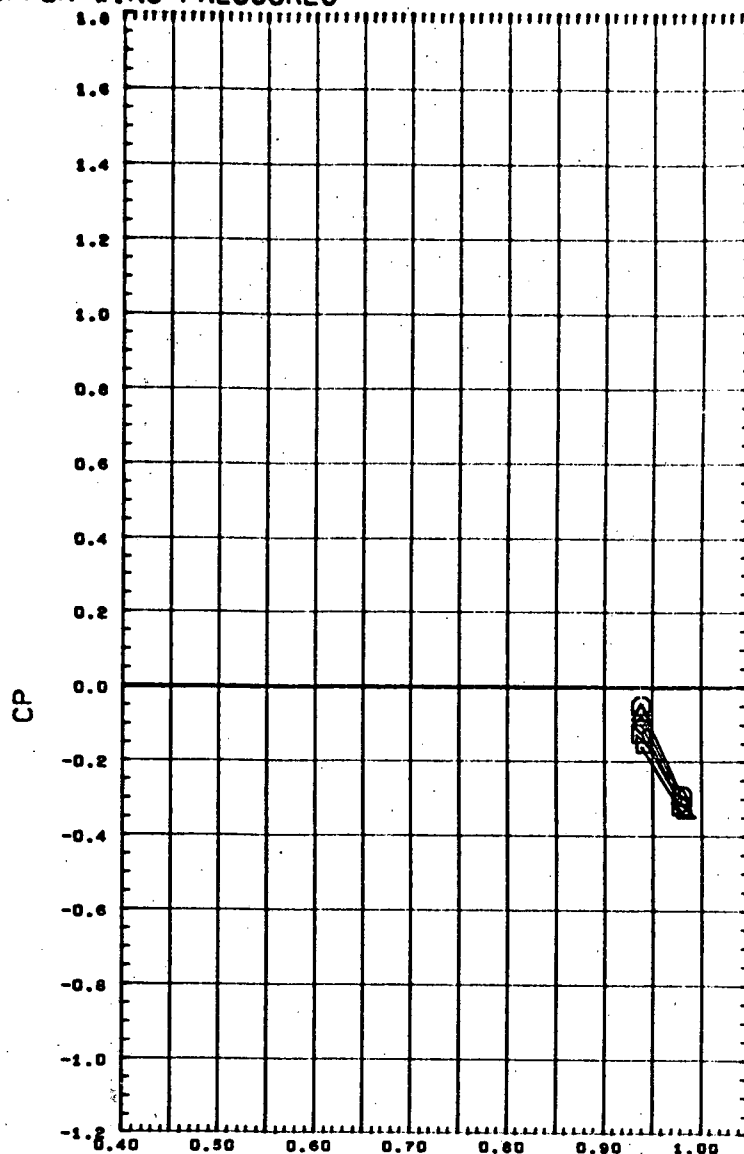
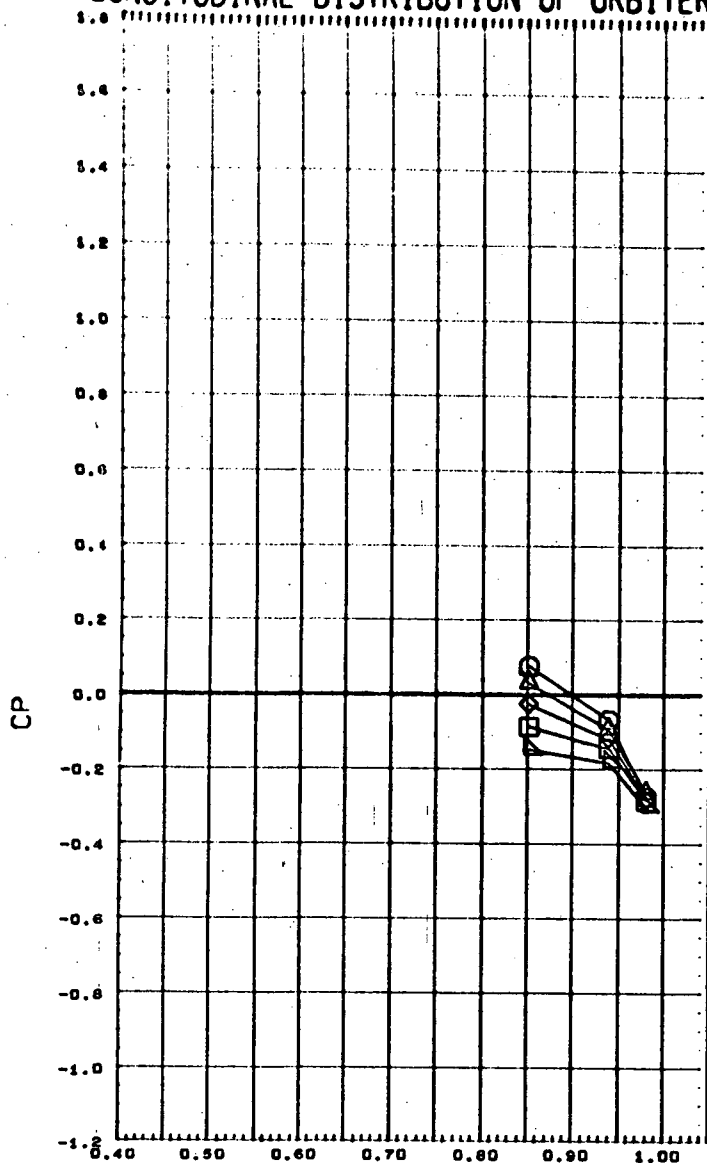


SYMBOL	ALFB	Y/B	M1
○	2.149	0.289	1.000
△	4.157	0.399	
◇	6.143		
□	8.134		
◇	10.121		

REFERENCE FILE

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

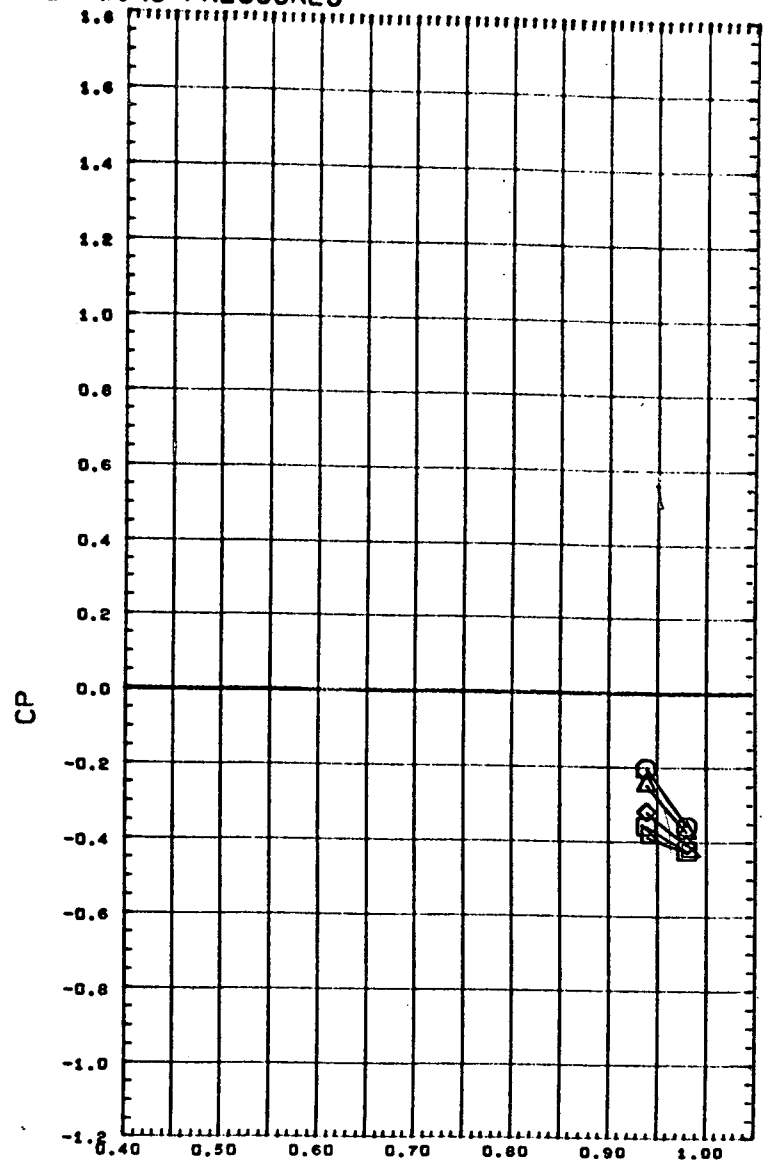
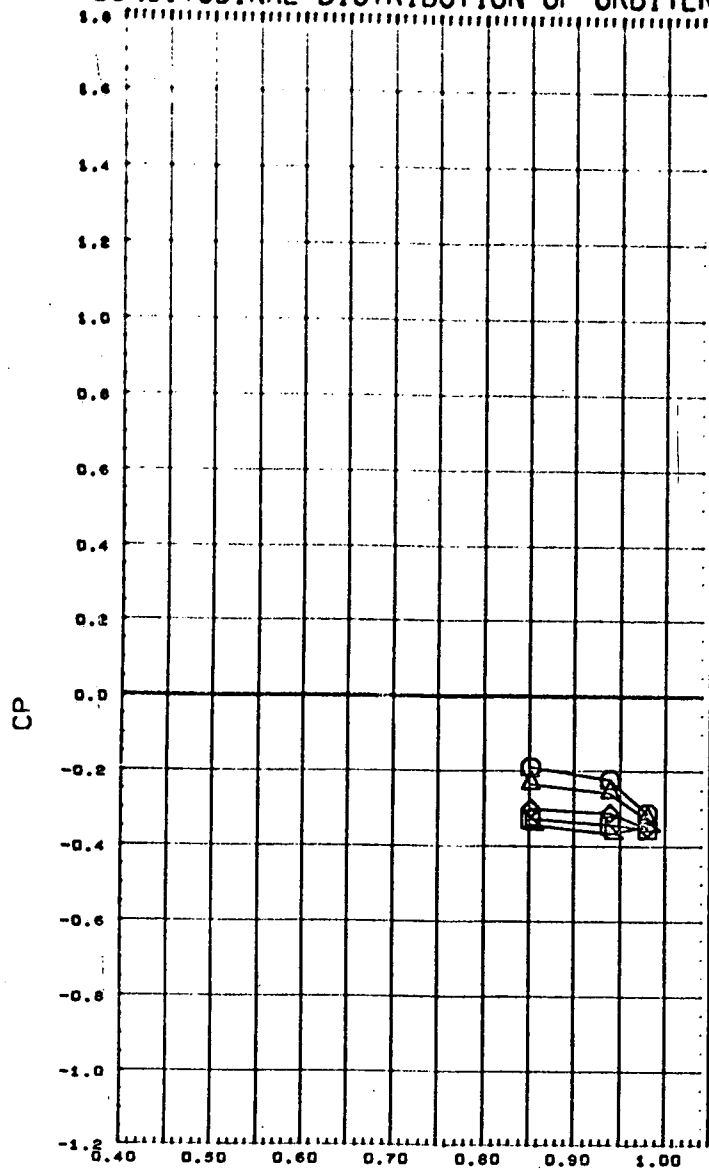


SYMBOL	ALFB	Y/B	M1
○	7.928	0.289	1.104
△	5.803	0.399	
◇	3.824		
□	1.828		
▽	0.154		

REFERENCE FILE

PARAMETRIC VALUES		
BETA	0.000	DX/L - 0.154
I	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

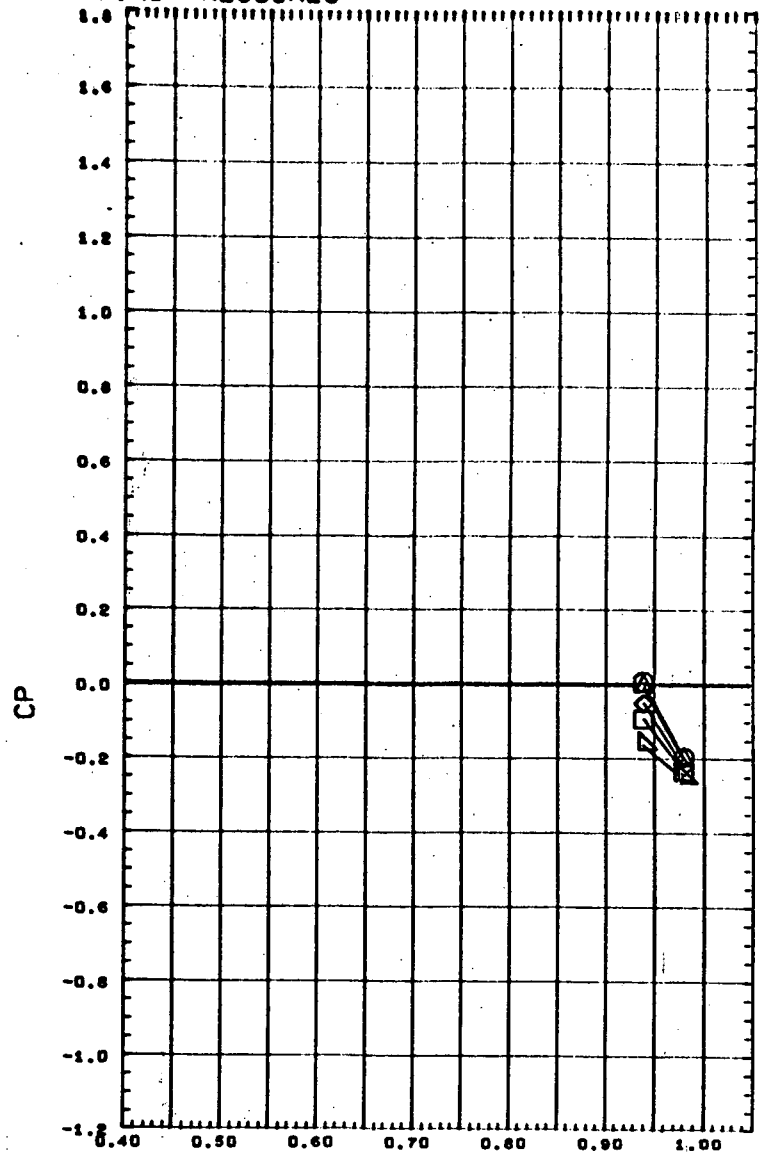
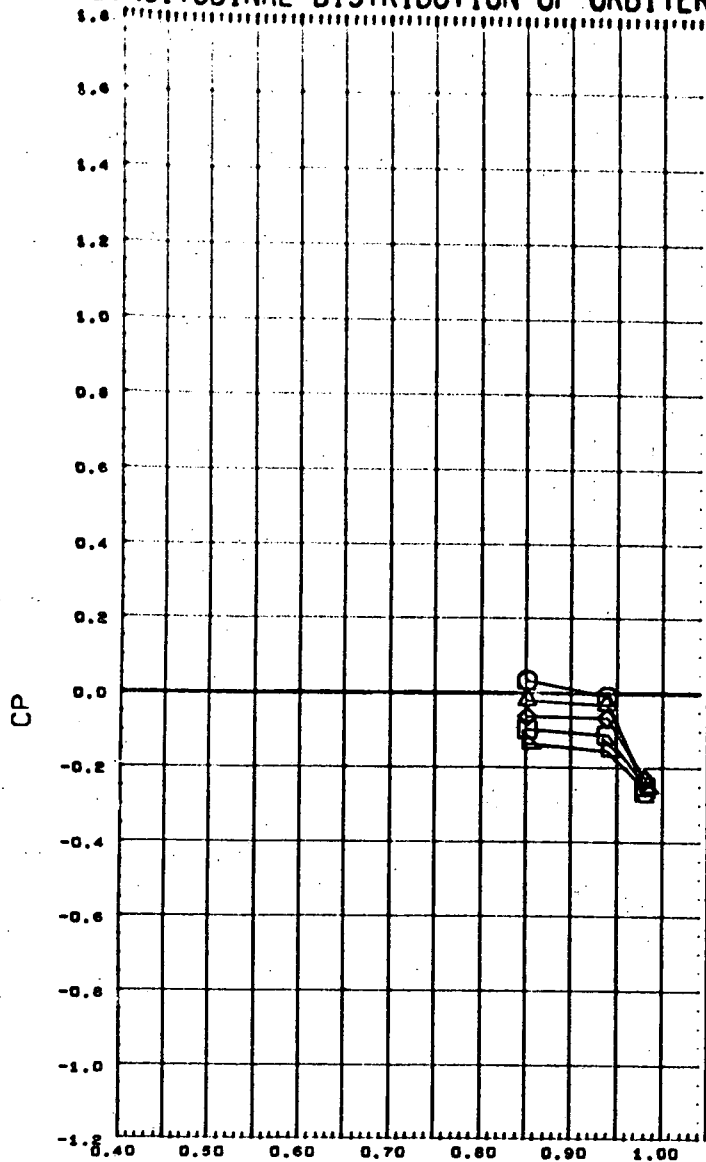


X/L			
SYMBOL	ALFB	Y/B	M1
○	2.171	0.289	1.104
△	4.158	0.399	
◇	6.148		
□	8.136		
▽	10.122		

REFERENCE FILE

X/L			
PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

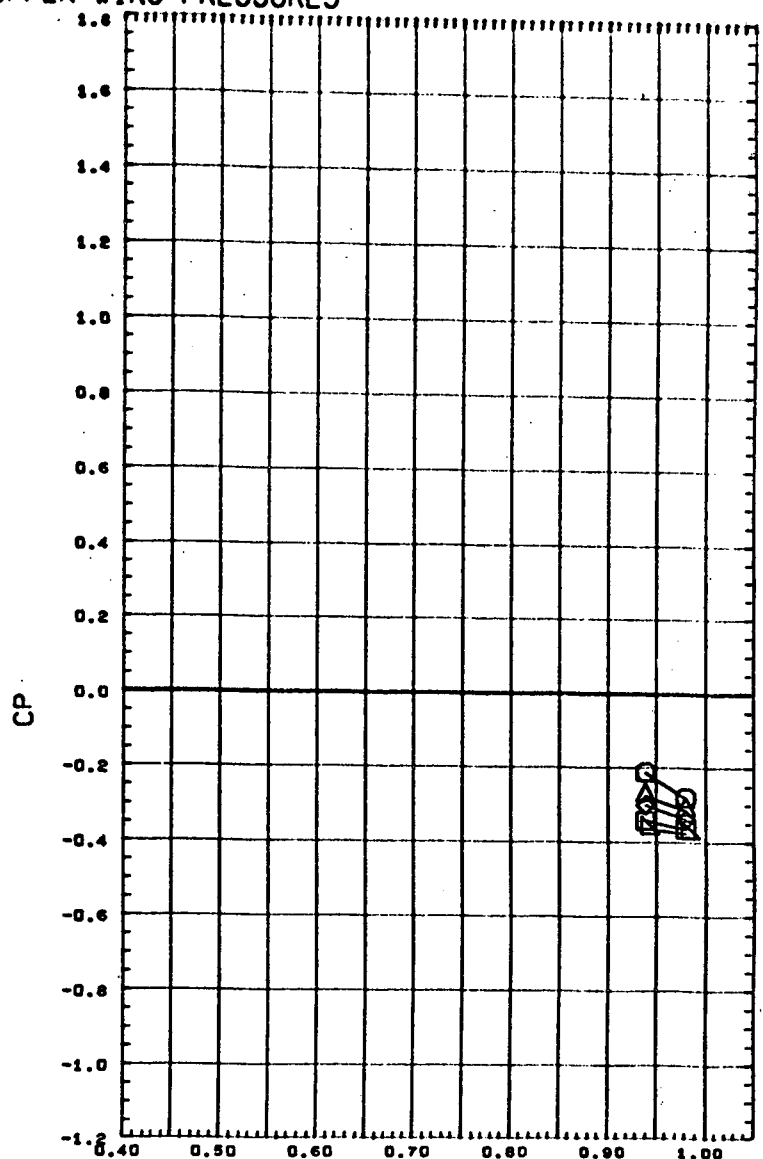
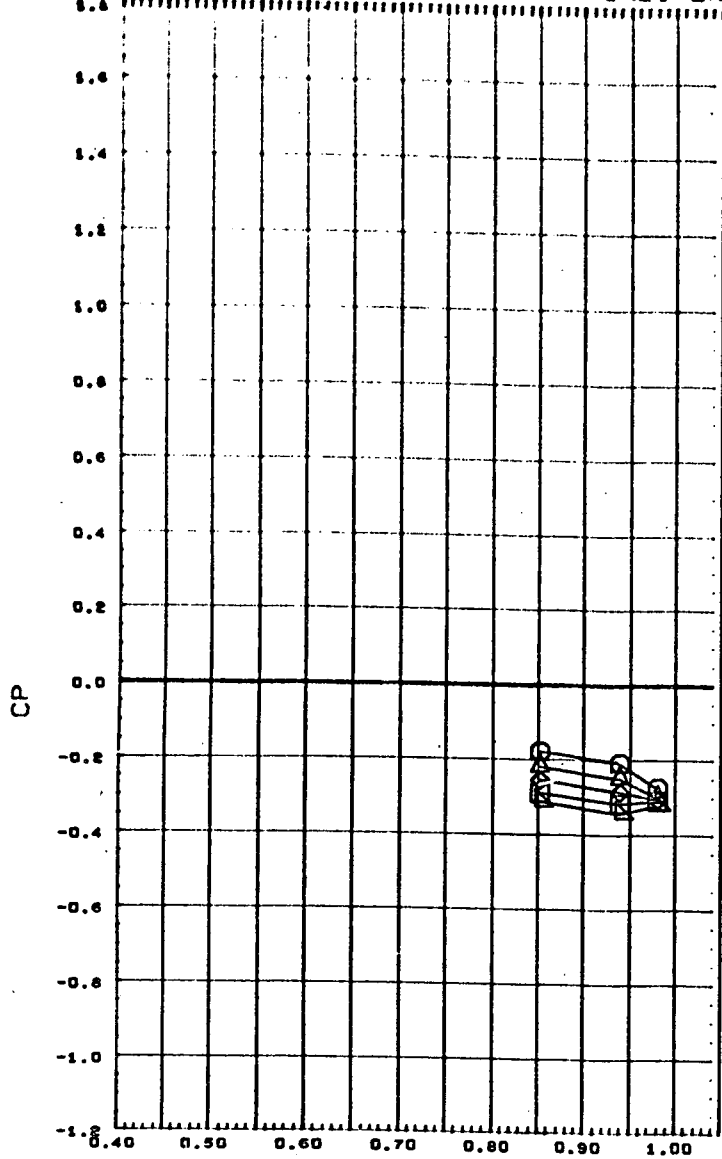
SYMBOL	ALFB	Y/B	M1
○	- 7.923	0.289	1.201
△	- 5.815	0.399	
◇	- 3.827		
□	- 1.841		
▽	0.145		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
BETA	0.000	DX/L	- 0.194
I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



X/L

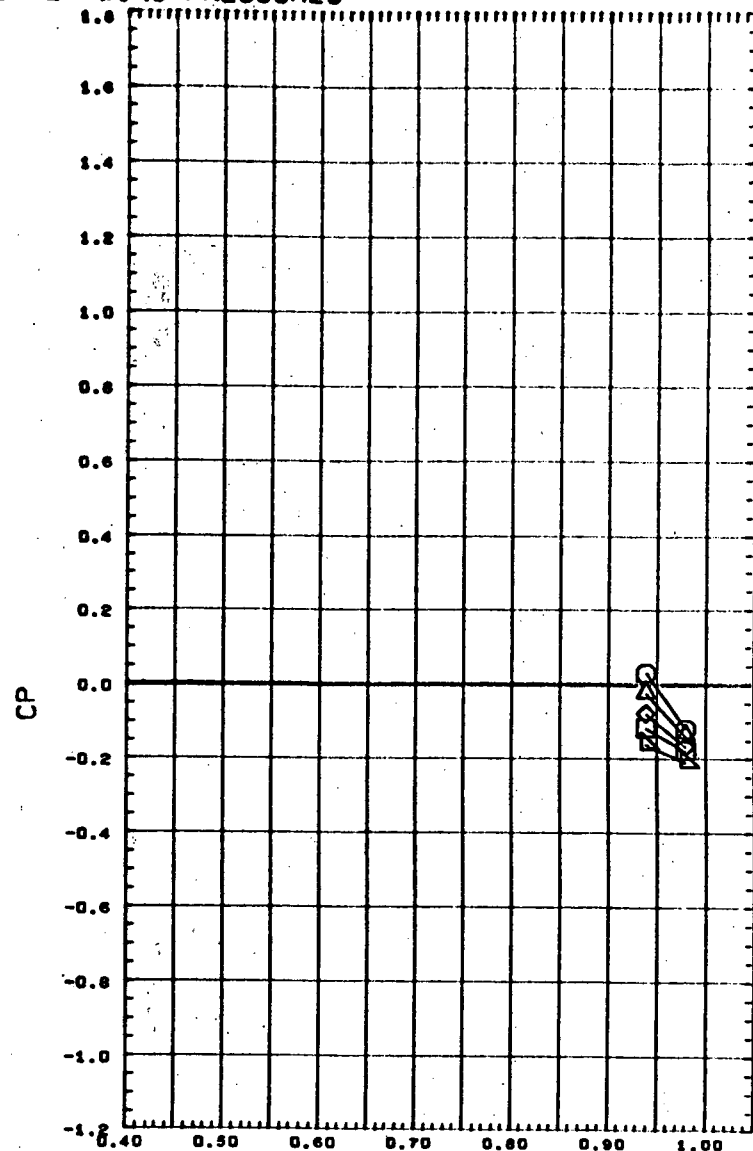
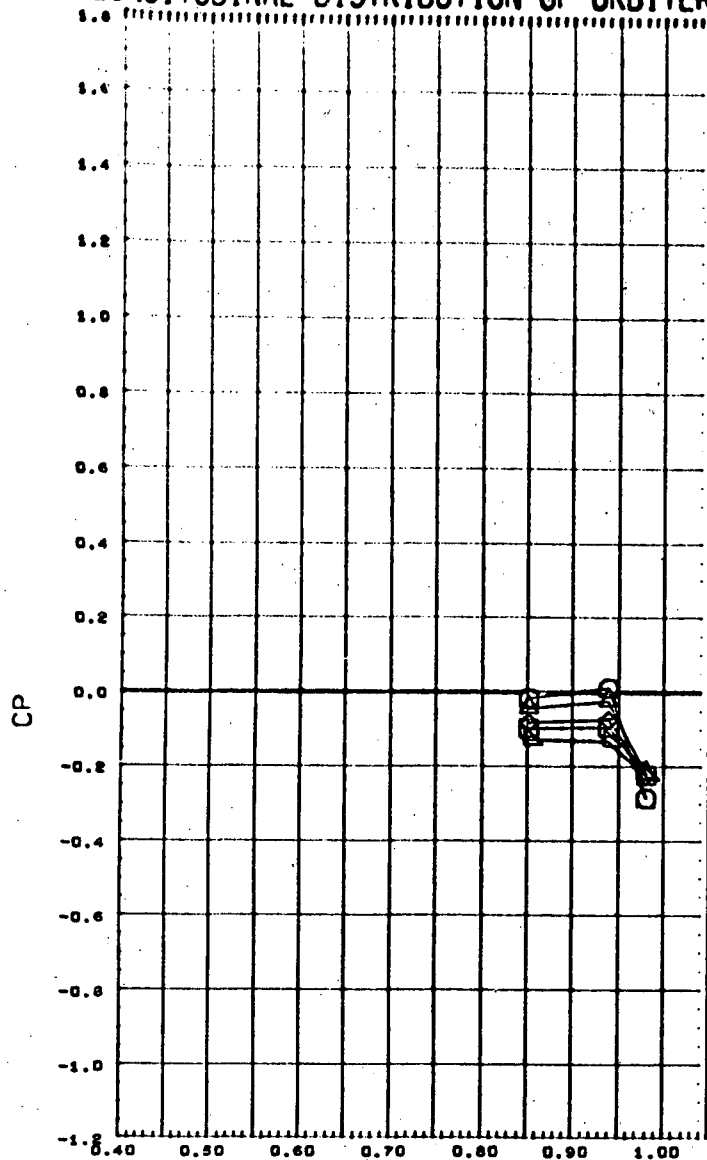
SYMBOL	ALFB	Y/B	M1
○	2.167	0.289	1.201
△	4.166	0.399	
◇	6.147		
□	8.143		
▽	10.117		

REFERENCE FILE

X/L

PARAMETRIC VALUES			
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I	0.000		

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES

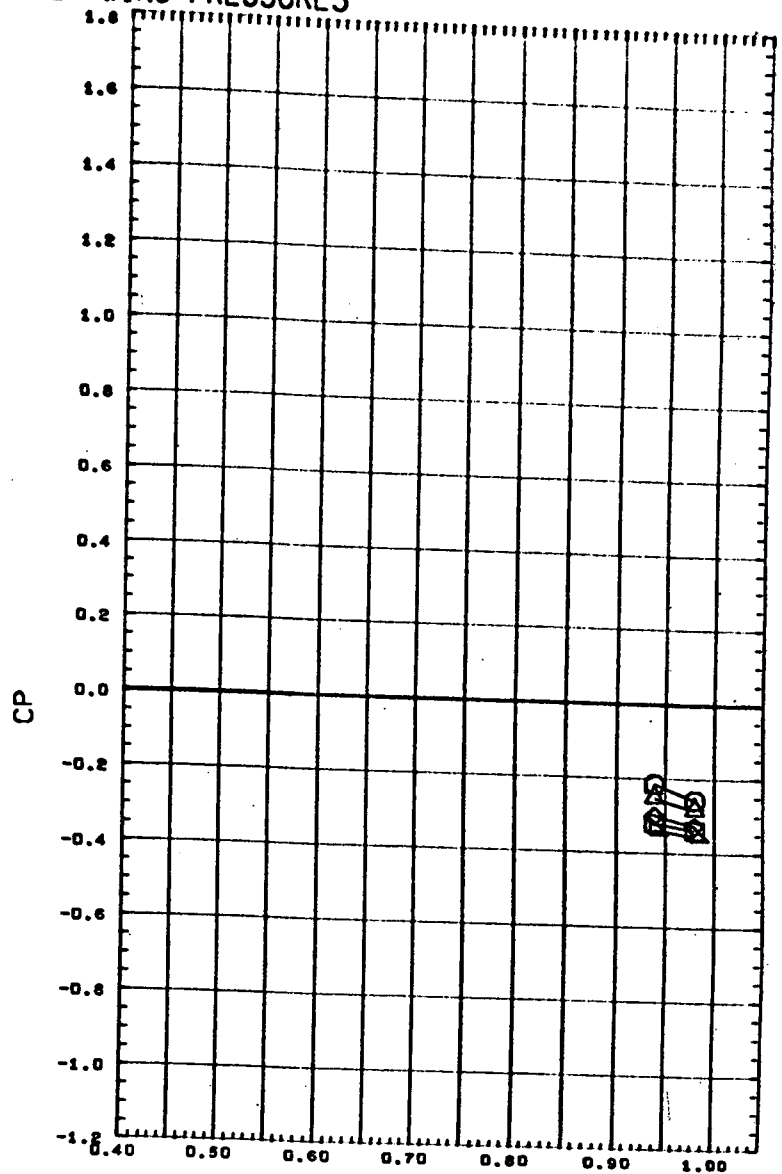
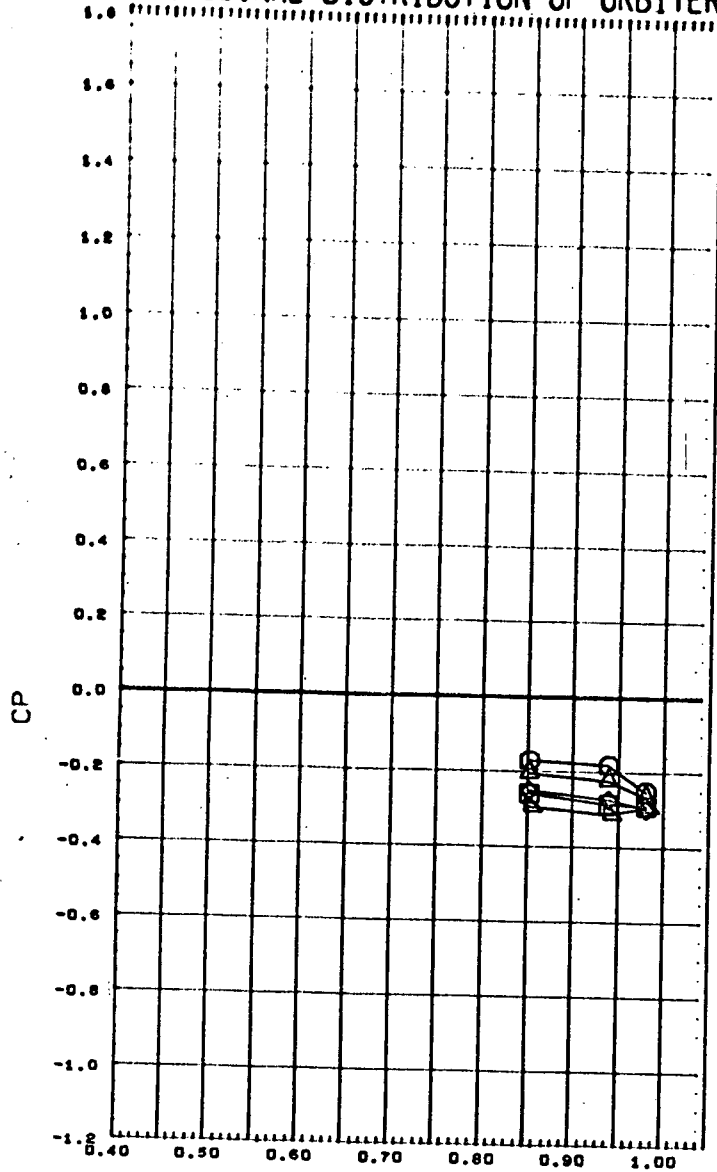


SYMBOL	X/L		
	ALFB	Y/B	M1
○	- 7.930	0.289	1.300
◇	- 5.834	0.399	
△	- 3.852		
□	- 1.848		
▽	0.145		

REFERENCE FILE

X/L		
BETA	PARAMETRIC VALUES	
I	0.000	DX/L - 0.194
	0.000	

LONGITUDINAL DISTRIBUTION OF ORBITER UPPER WING PRESSURES



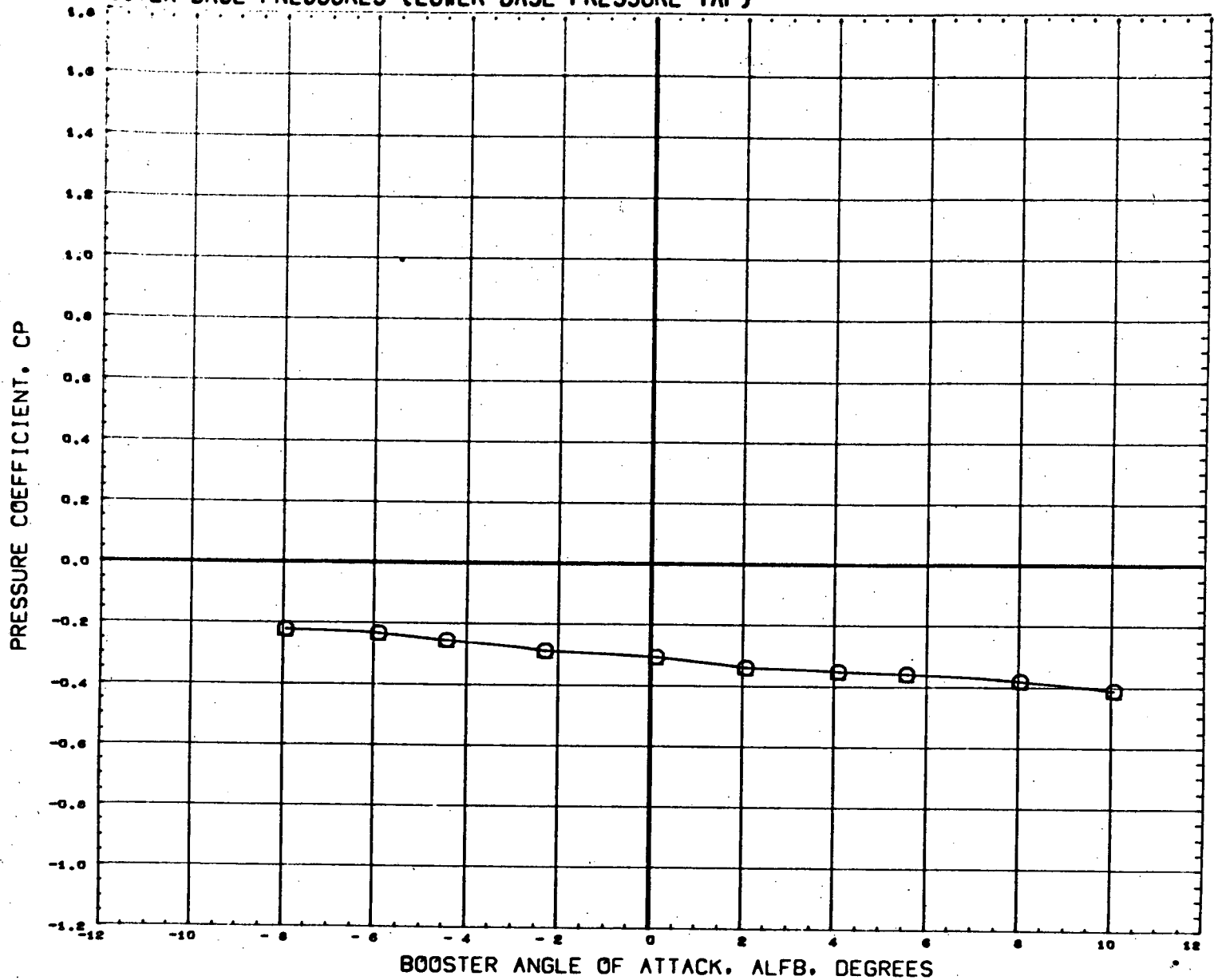
SYMBOL	ALFB	Y/B	M1
○	2.163	0.289	1.300
△	4.164	0.399	
◇	6.136		
□	8.142		
▽	10.136		

REFERENCE FILE

PARAMETRIC VALUES	
BETA	0.000
I	0.000
DX/L	- 0.194

AEDC TC174 MDAC ORBITER NEAR BOOSTER(UPPER WING) (GTC011)

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL	TAP NO	Y/B	M1	PARAMETRIC VALUES		
○	44.000	0.138	0.600	BETA	0.000	DX/L
				I	0.000	0.000

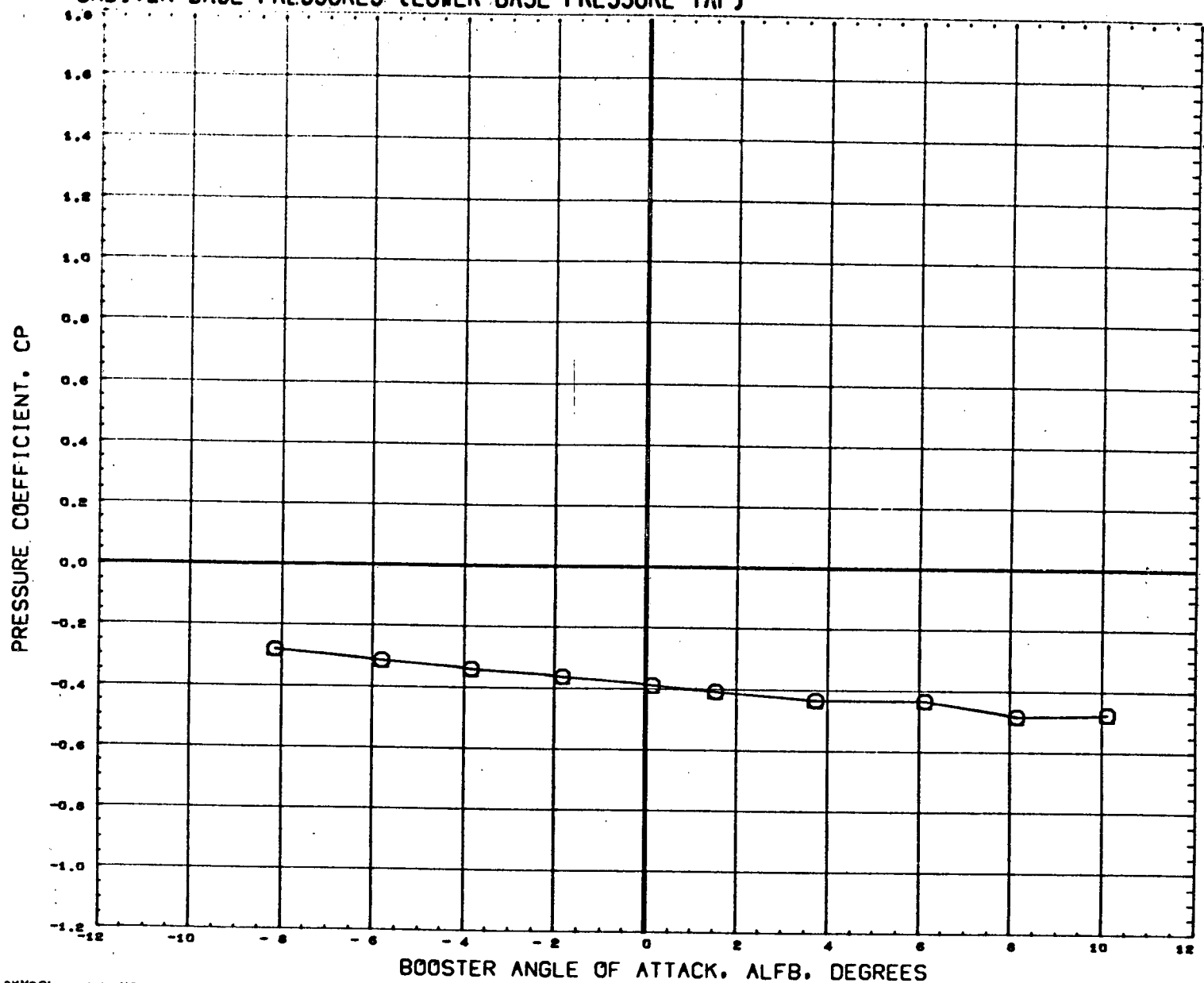
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TA NO Y/B M1
 O 44.000 0.136 0.894

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.000
 I 0.000

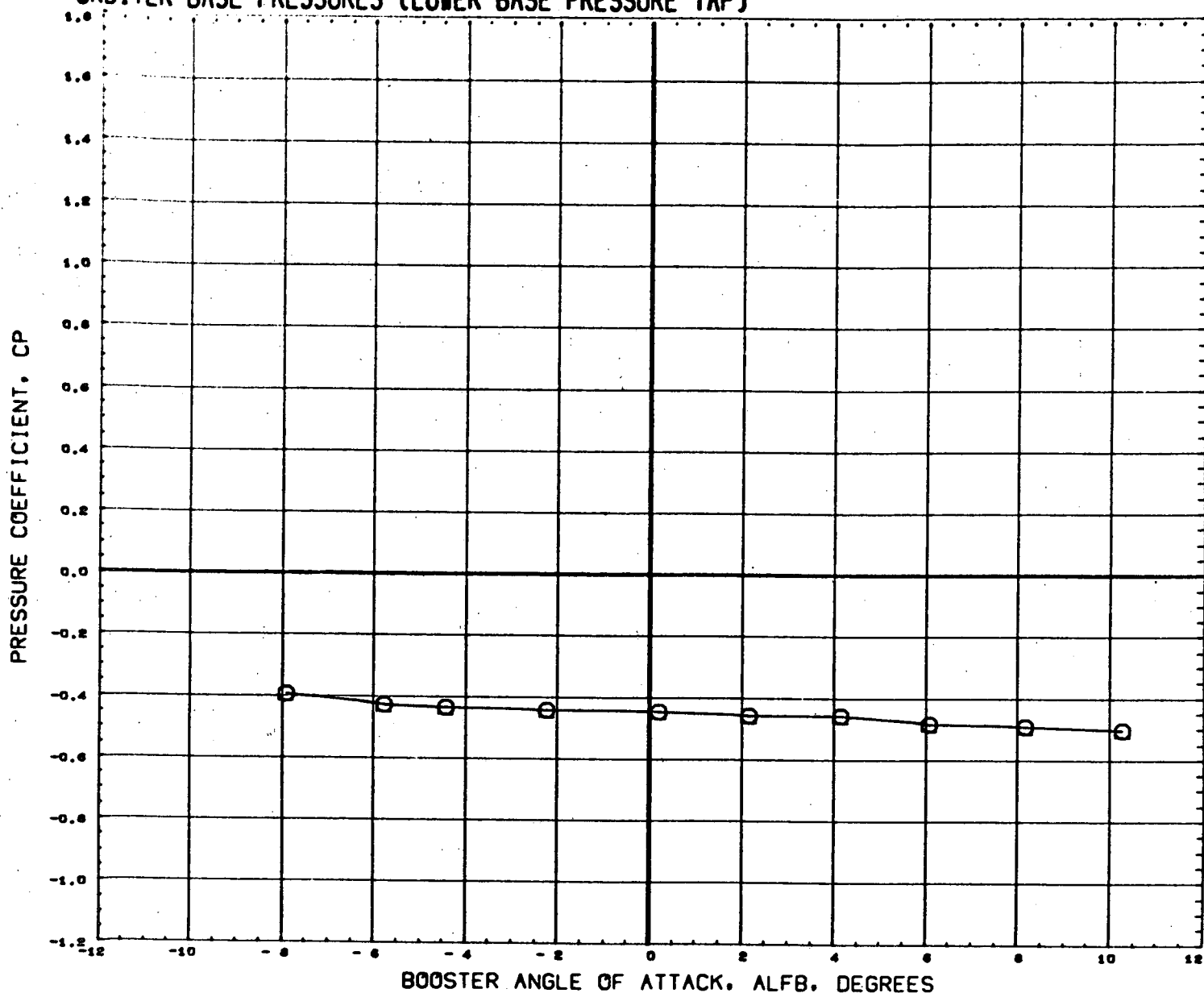
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 1.000

BETA PARAMETRIC VALUES
 I 0.000 0X/L 0.000
 0.000

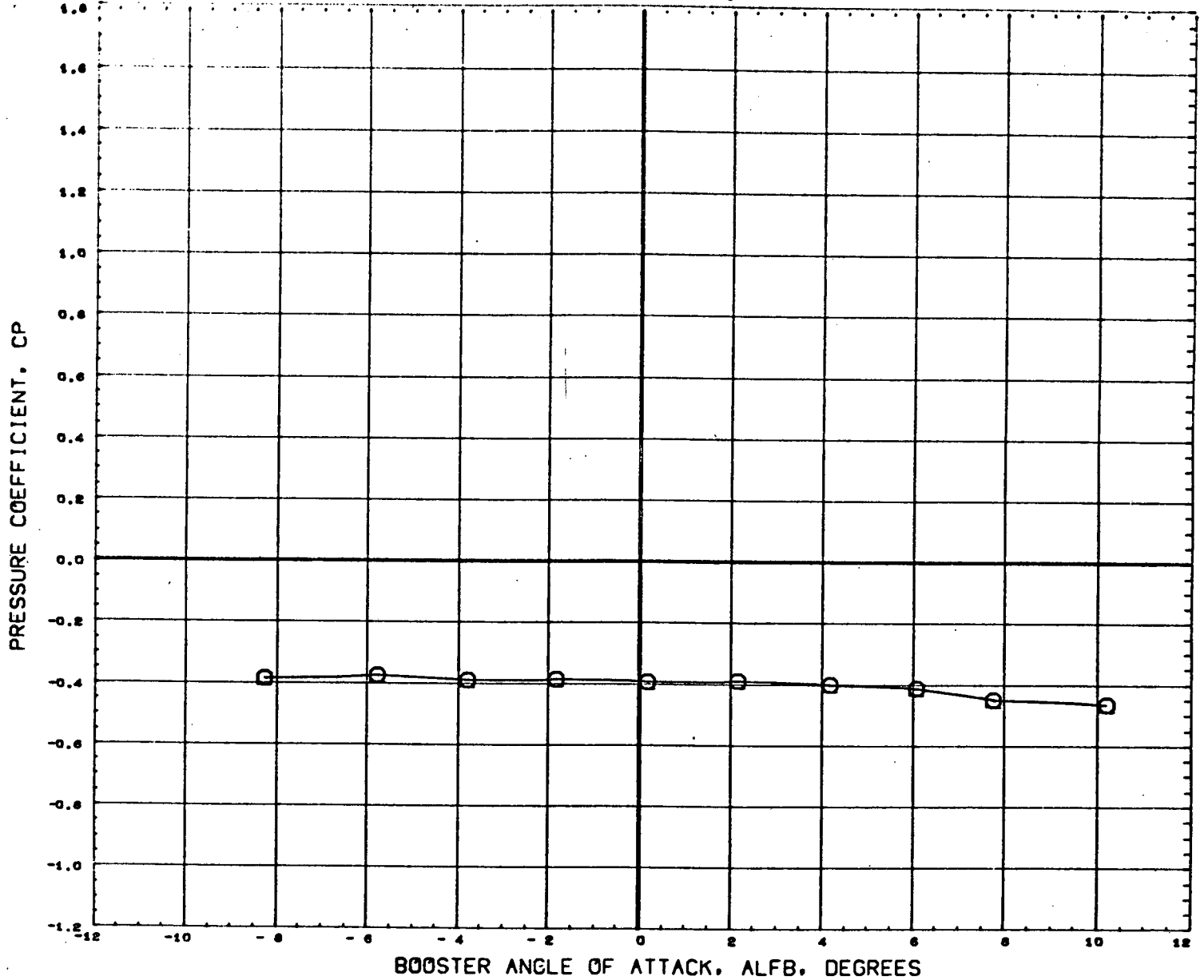
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.100

PARAMETRIC VALUES
BETA 0.000 DX/L 0.000
I 0.000

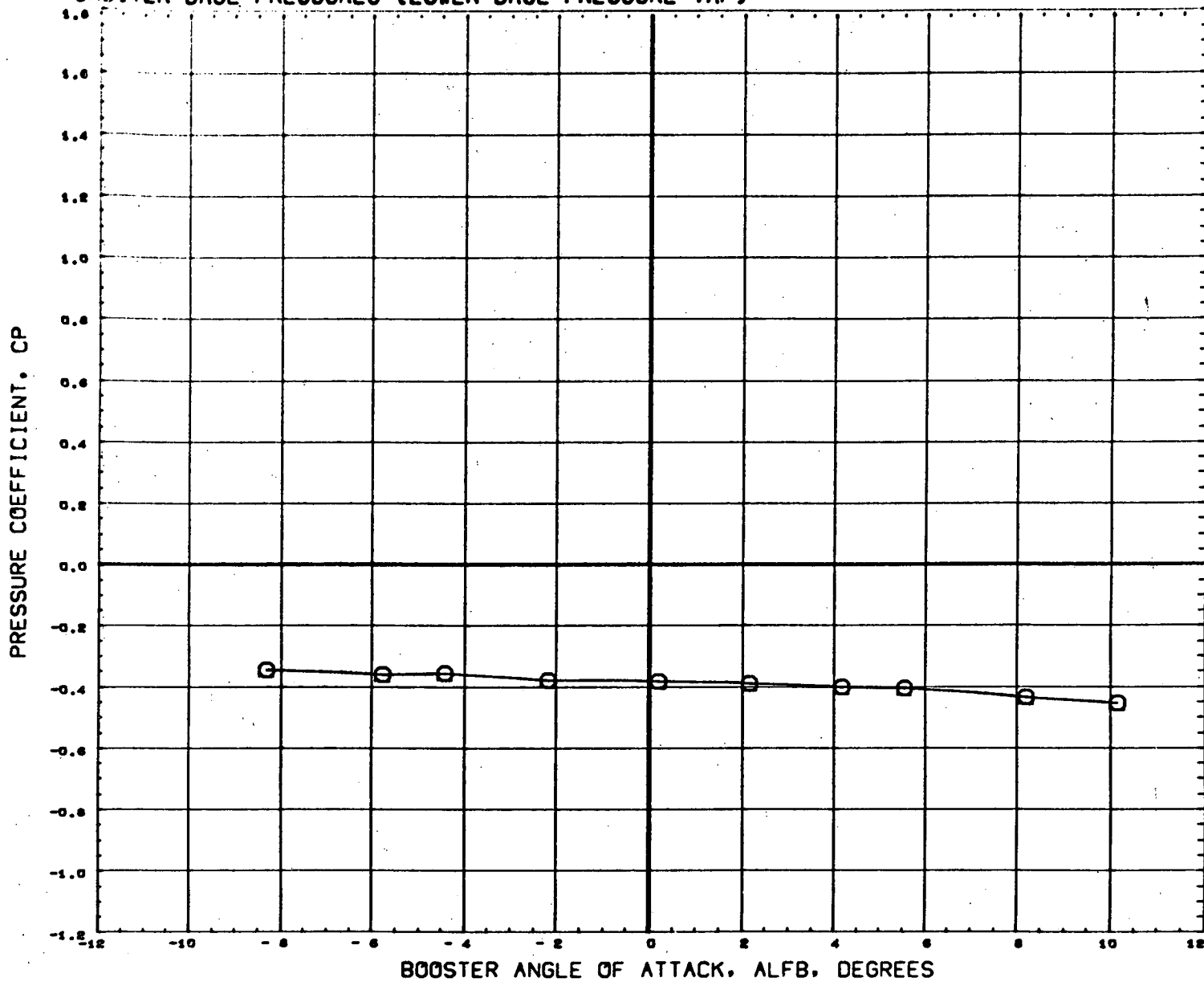
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.199

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.000
 I 0.000

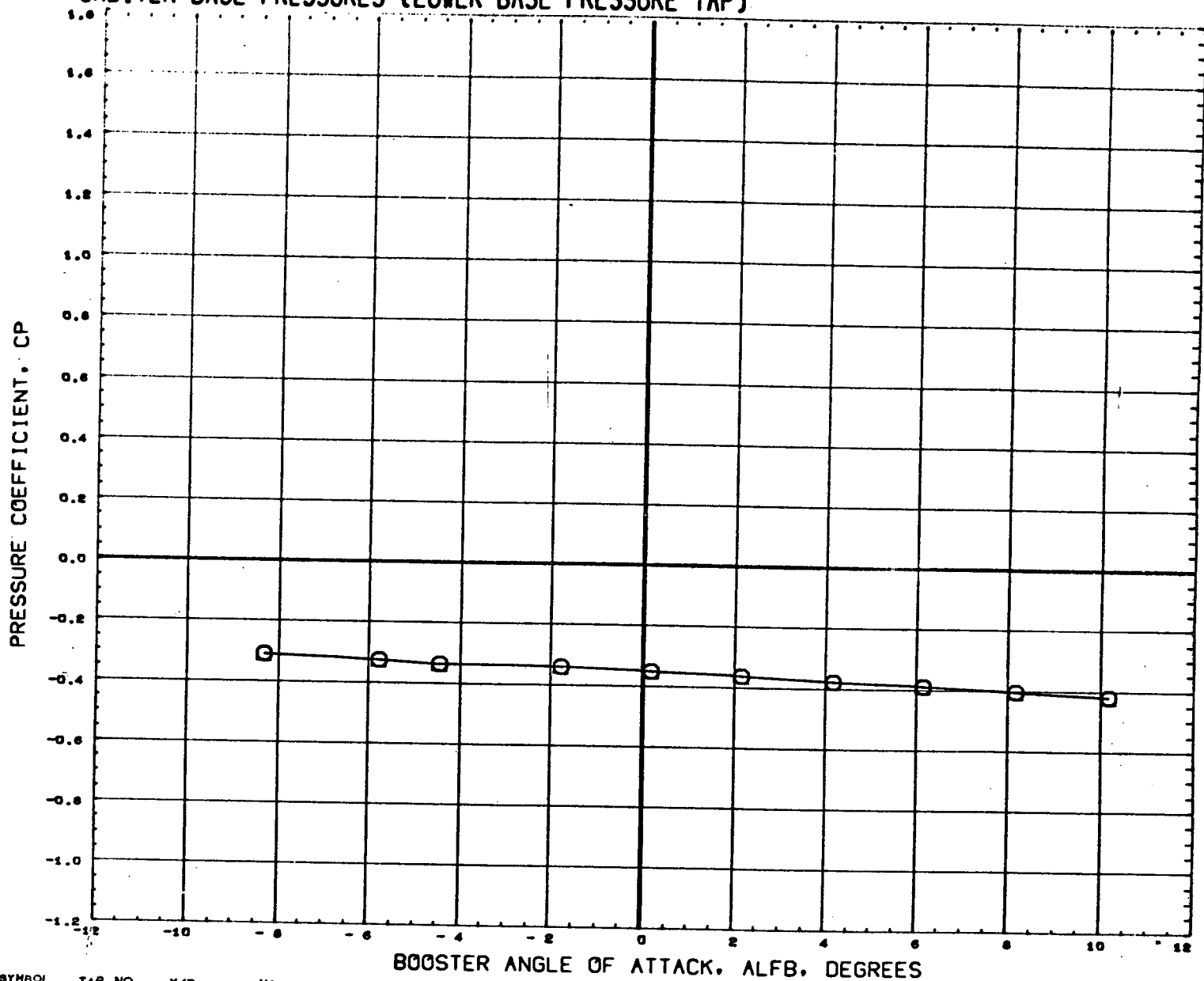
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \square TAP NO 44.000 Y/B 0.138 M1 1.300

BETA 0.000
 I 0.000

PARAMETRIC VALUES
 0.000 DX/L 0.000

REFERENCE FILE

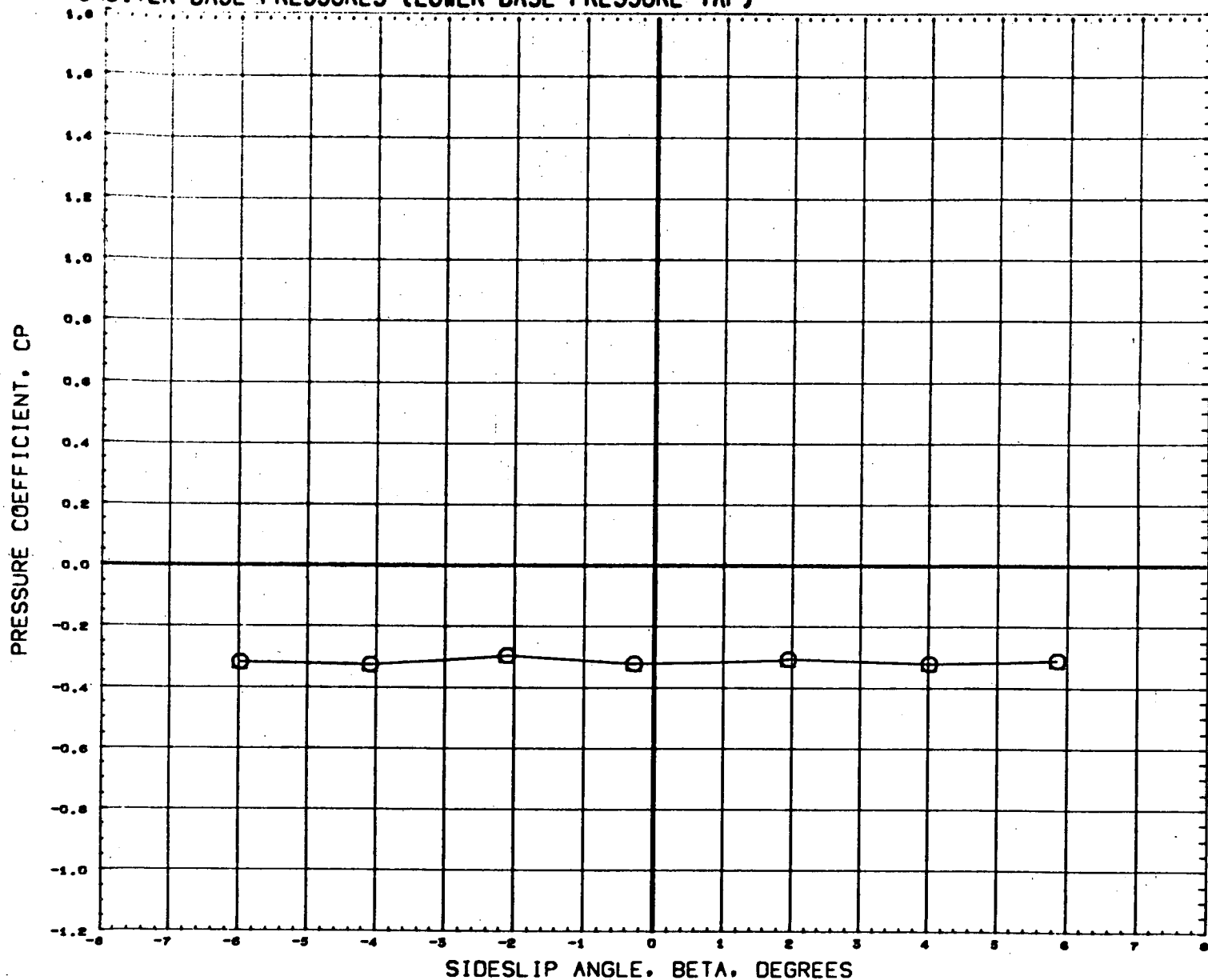
AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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X

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \square TAP NO 44.000 Y/B 0.138 H1 0.600

PARAMETRIC VALUES
ALPB 0.000 DX/L 0.000
I 0.000

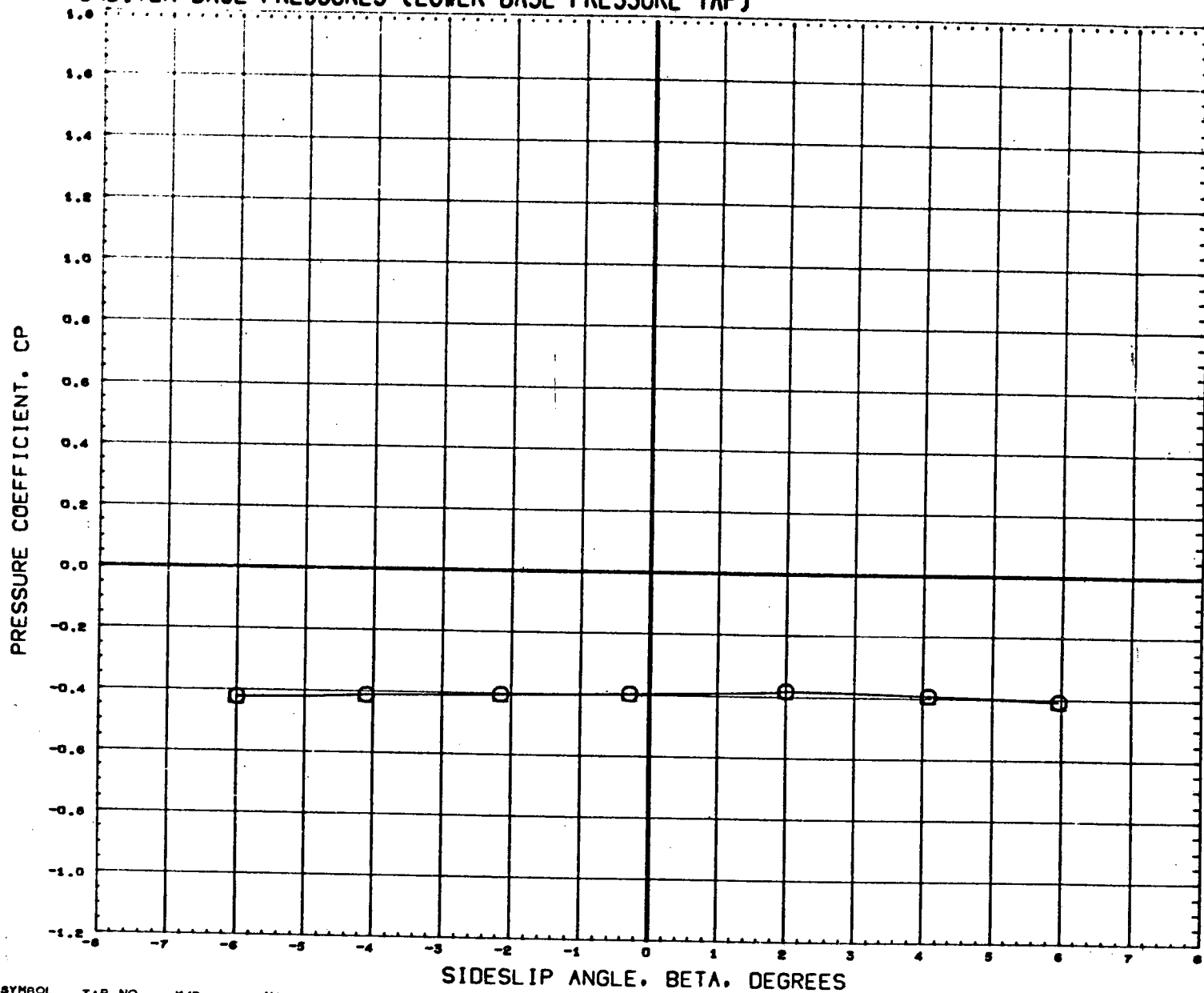
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 H1 0.898

PARAMETRIC VALUES
ALFB 0.000 DX/L 0.000
I 0.000

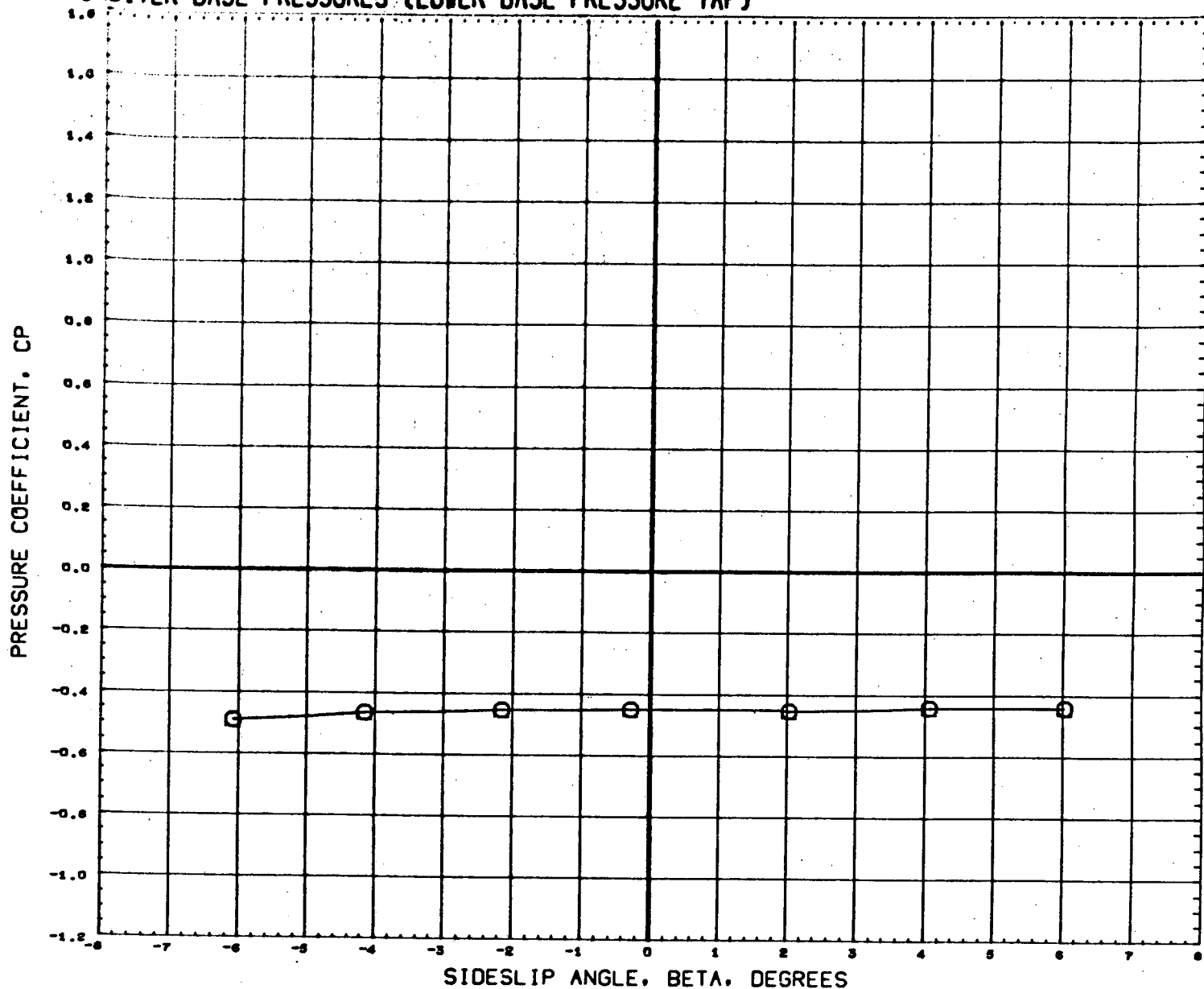
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.010

PARAMETRIC VALUES
ALFB 0.000 DX/L 0.000
I 0.000

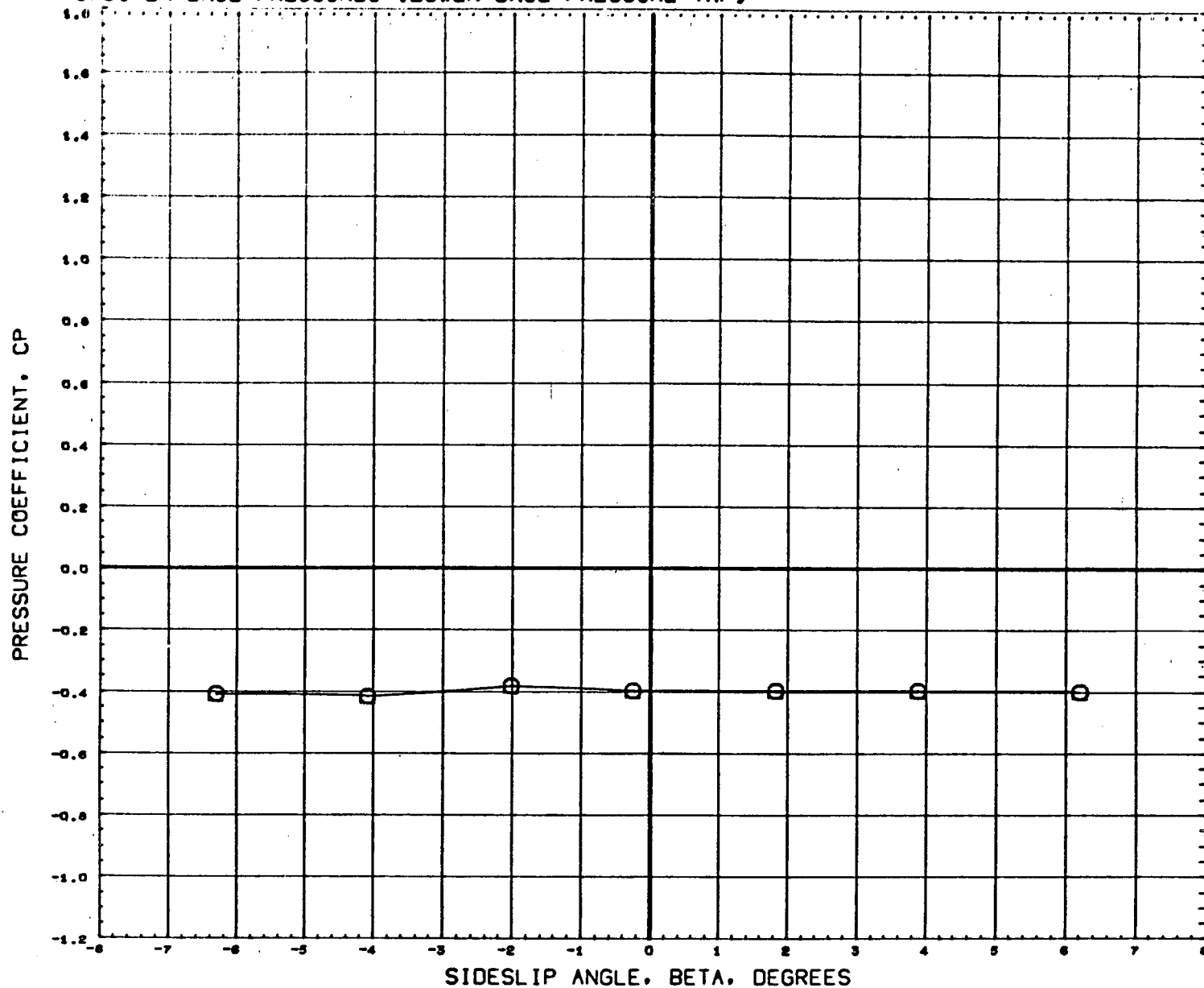
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \square TAP NO 44.000 Y/B 0.138 M1 1.101

ALFB
I

PARAMETRIC VALUES
0.000 0X/L 0.000
0.000

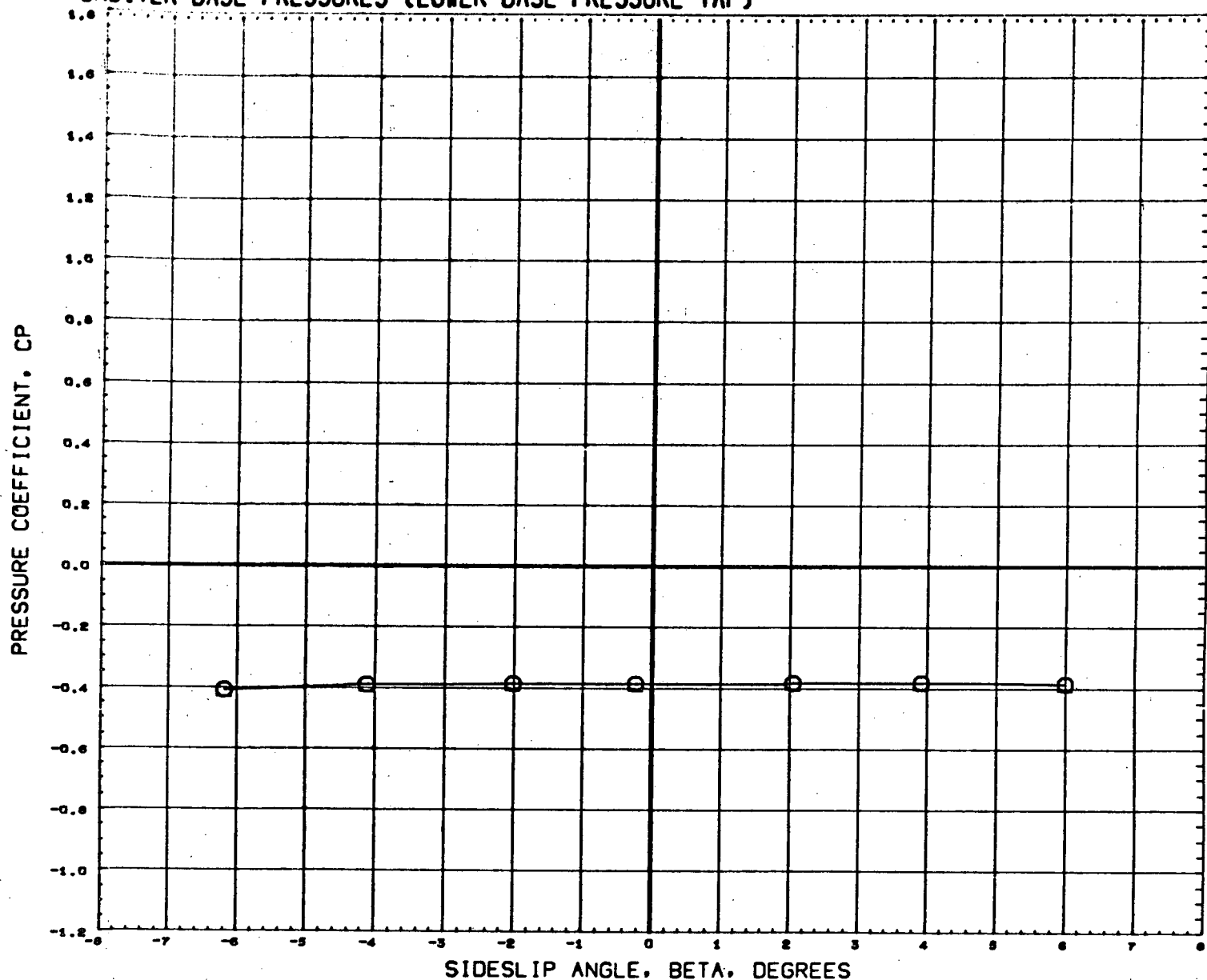
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC002)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.201

PARAMETRIC VALUES
 ALPB 0.000 DX/L 0.000
 I 0.000

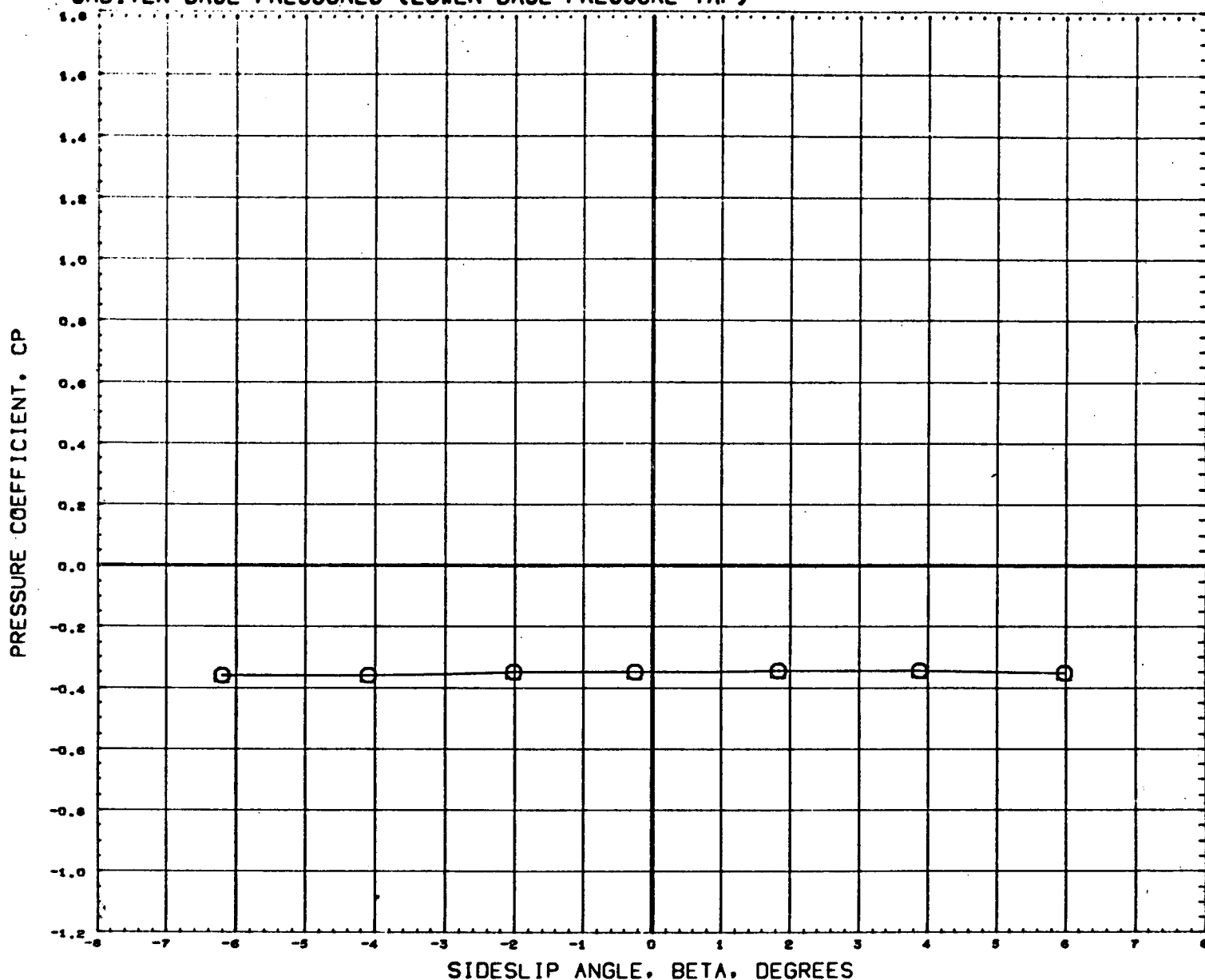
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
Q 44.000 0.138 1.302

PARAMETRIC VALUES
ALPB 0.000 DX/L 0.000
I 0.000

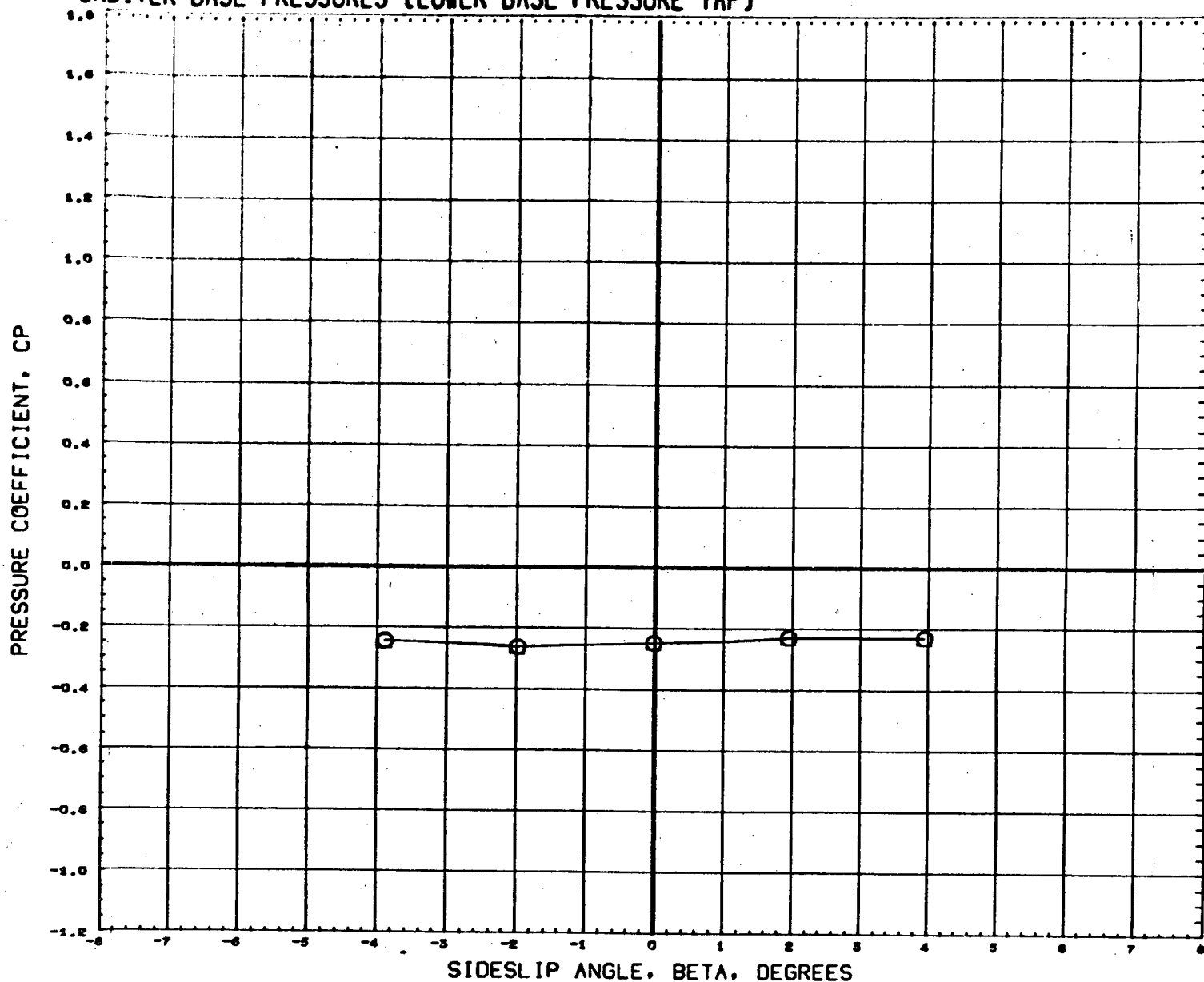
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.599

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.000
 I 0.000

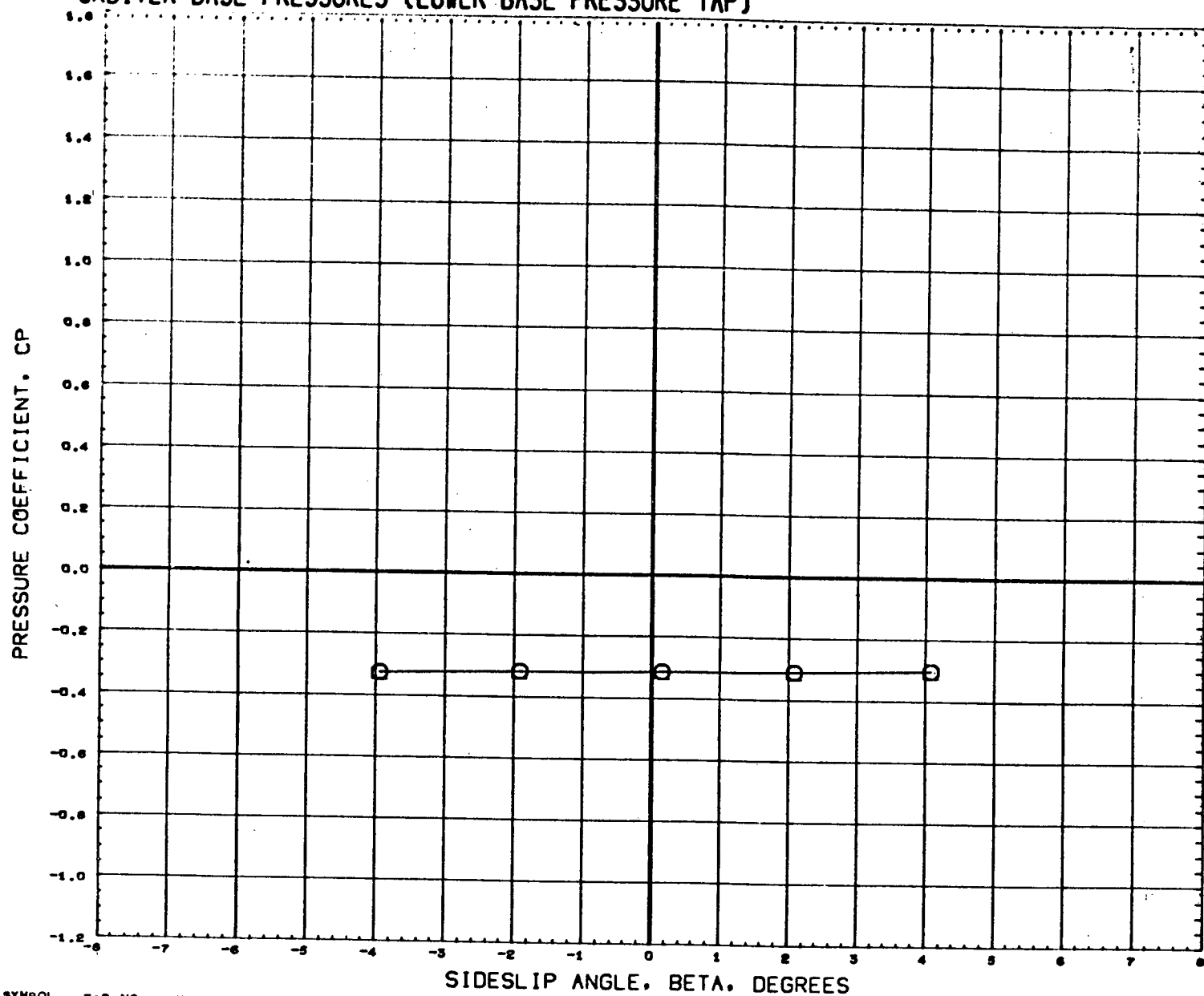
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.990

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.000
 I 0.000

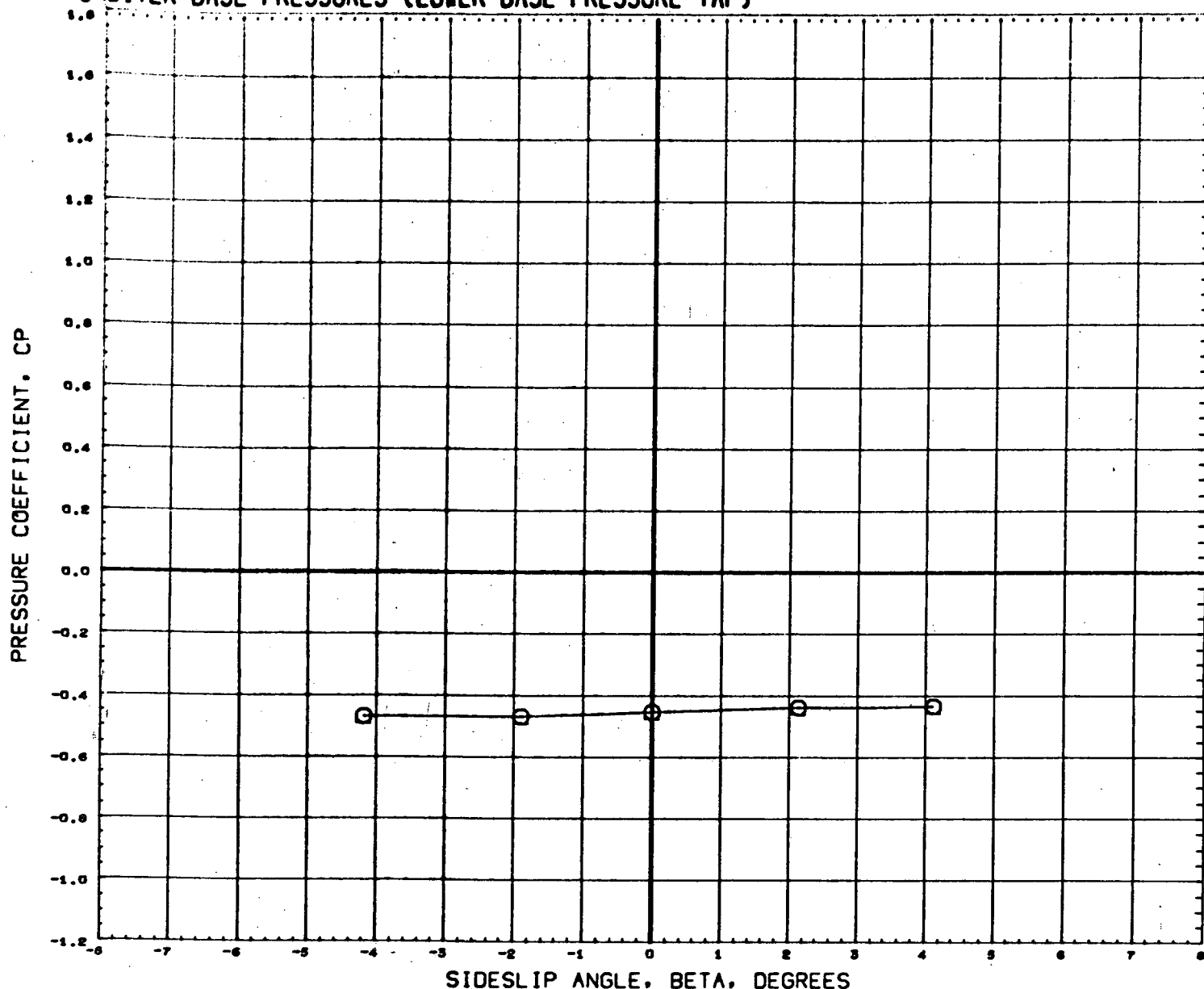
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC003)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 0.999

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.000
 I 0.000

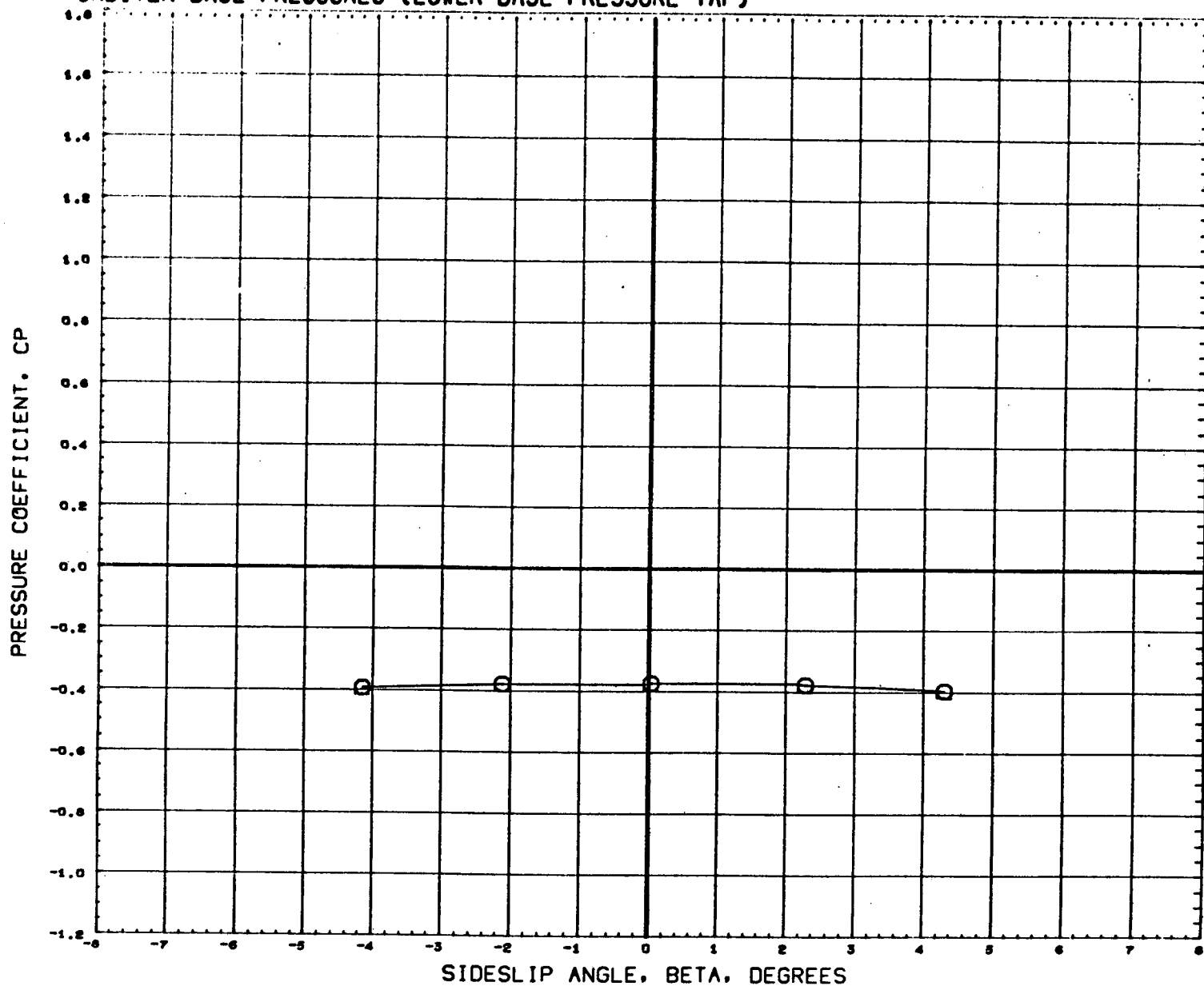
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \square TAP NO 44.000 Y/B 0.138 M1 1.100

PARAMETRIC VALUES
ALF8 - 6.000 DX/L 0.000
I 0.000

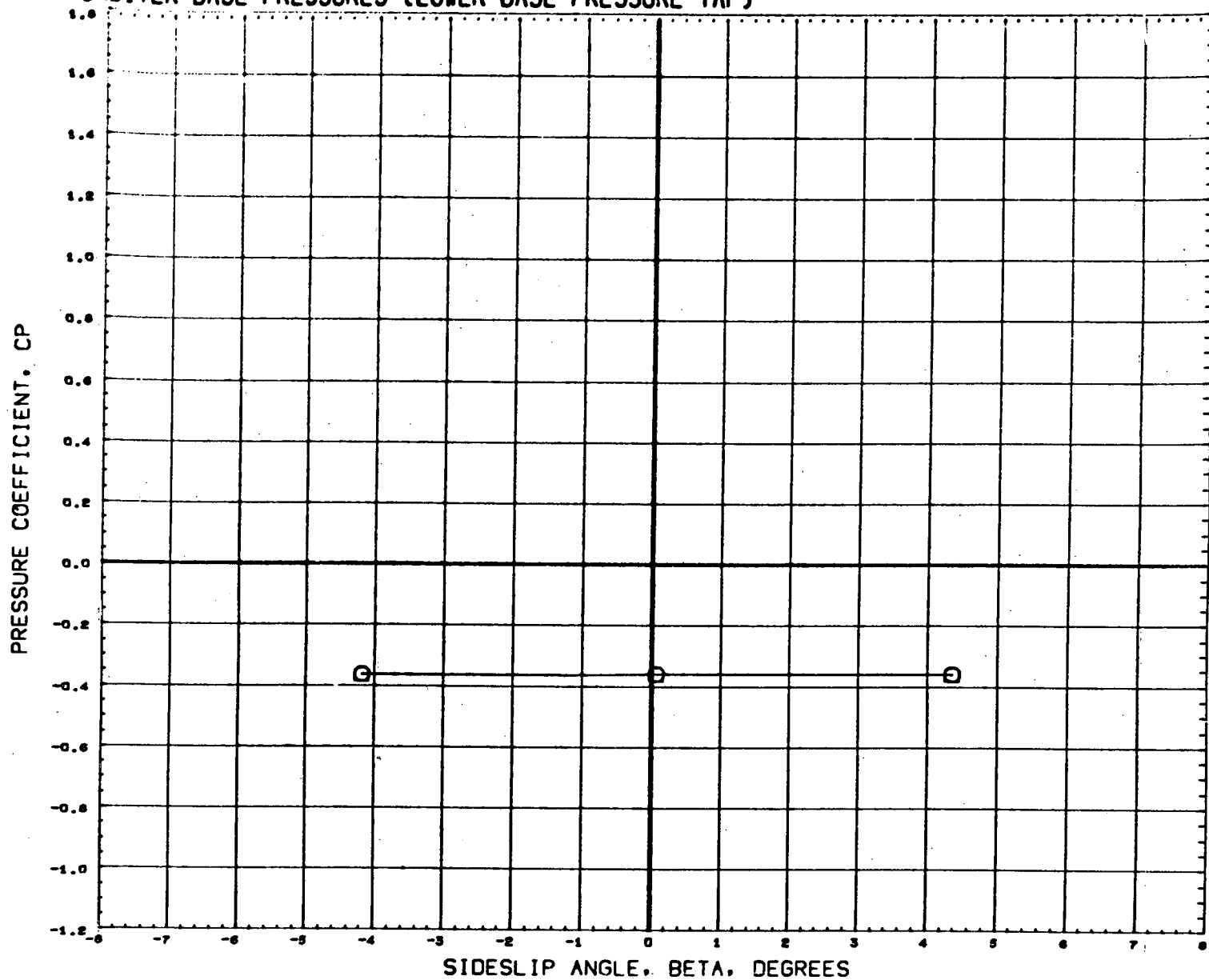
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC003)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.201

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.000
 I 0.000

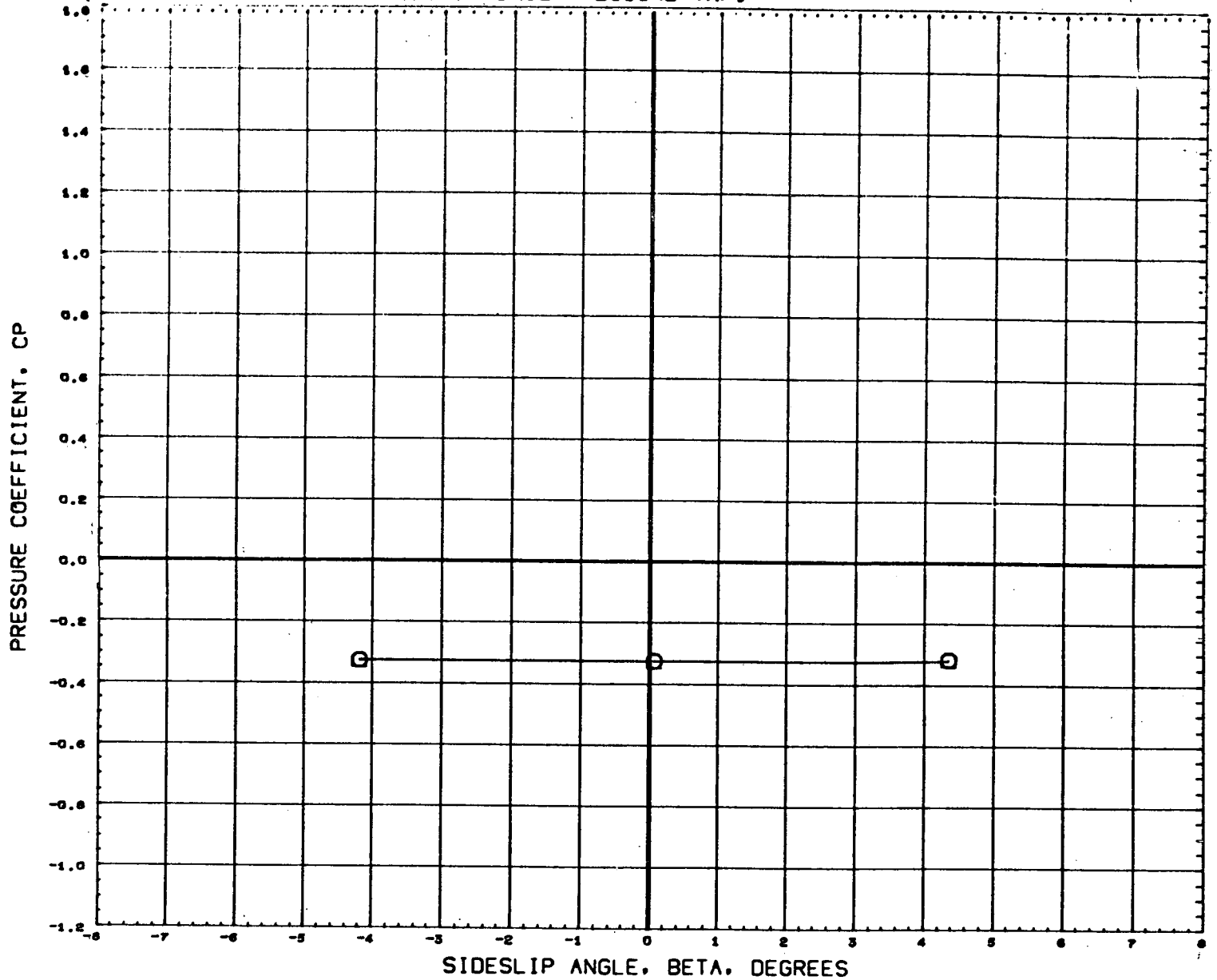
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC003)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.300

PARAMETRIC VALUES
 ALFB - 6.000 OX/L 0.000
 I 0.000

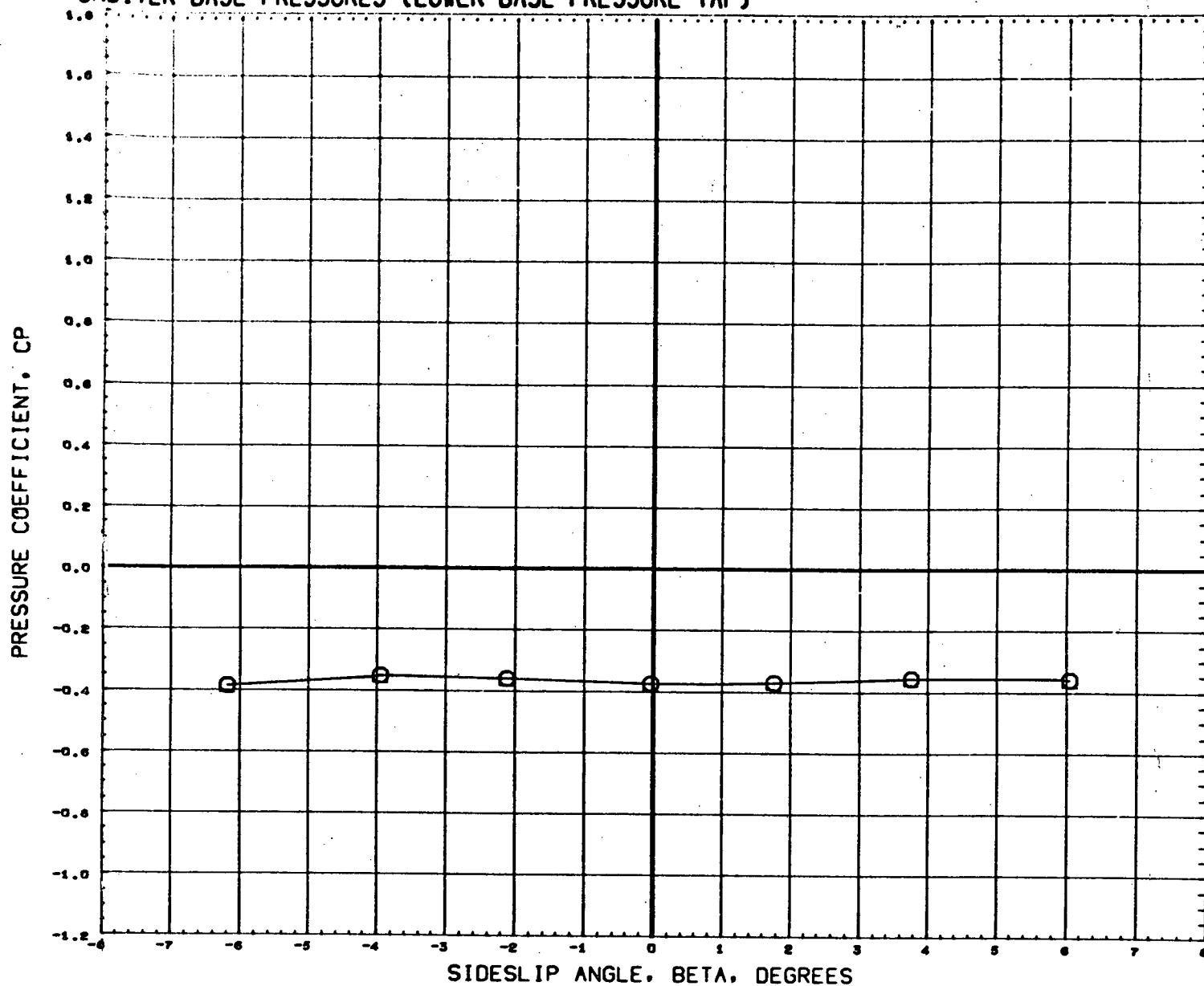
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC003)

PAGE 462

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 0.598

ALFB
I

PARAMETRIC VALUES
6.000 DX/L 0.000
0.000

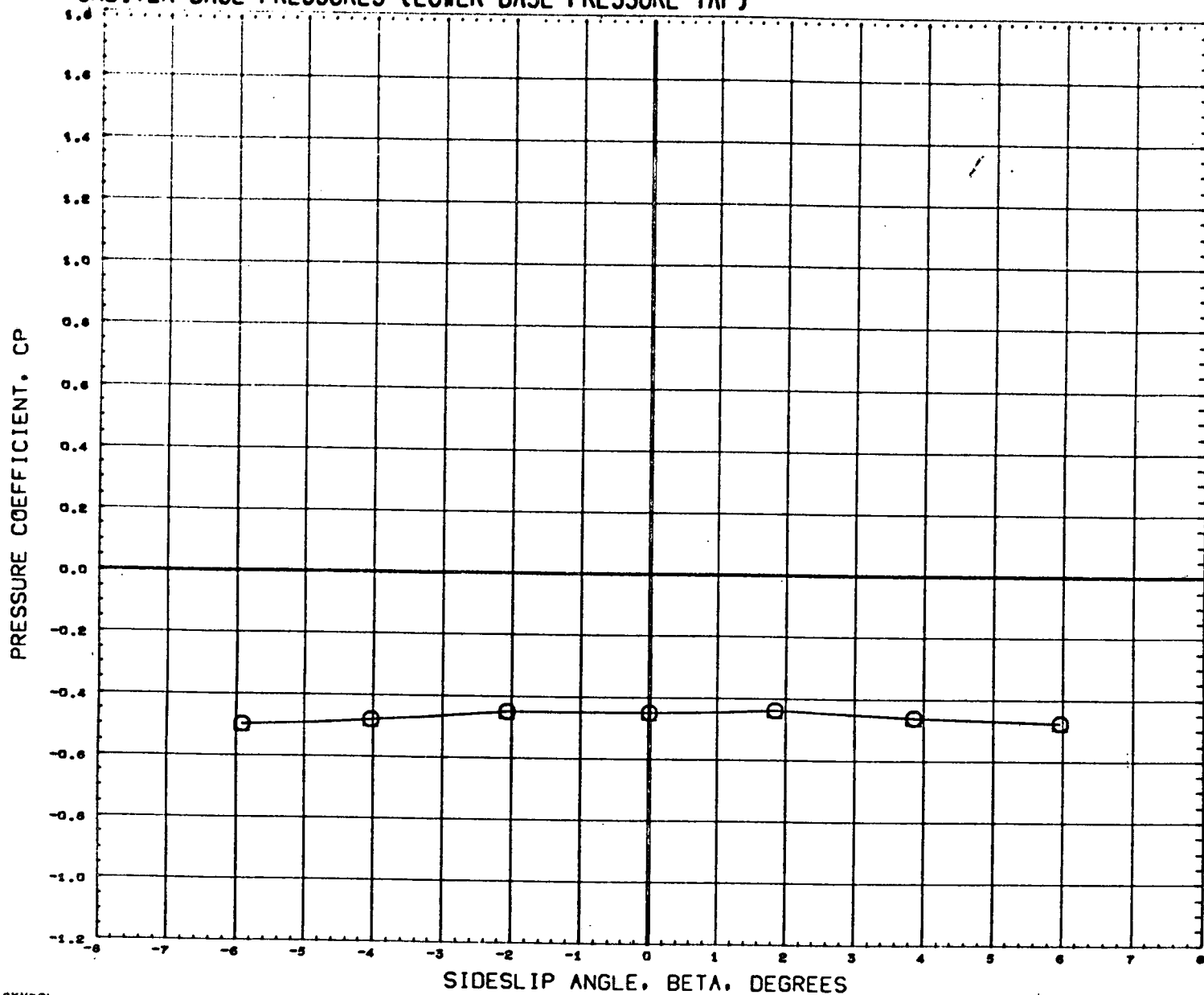
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

PAGE 463

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 0.903

PARAMETRIC VALUES
ALFB 6.000 DX/L 0.000
I 0.000

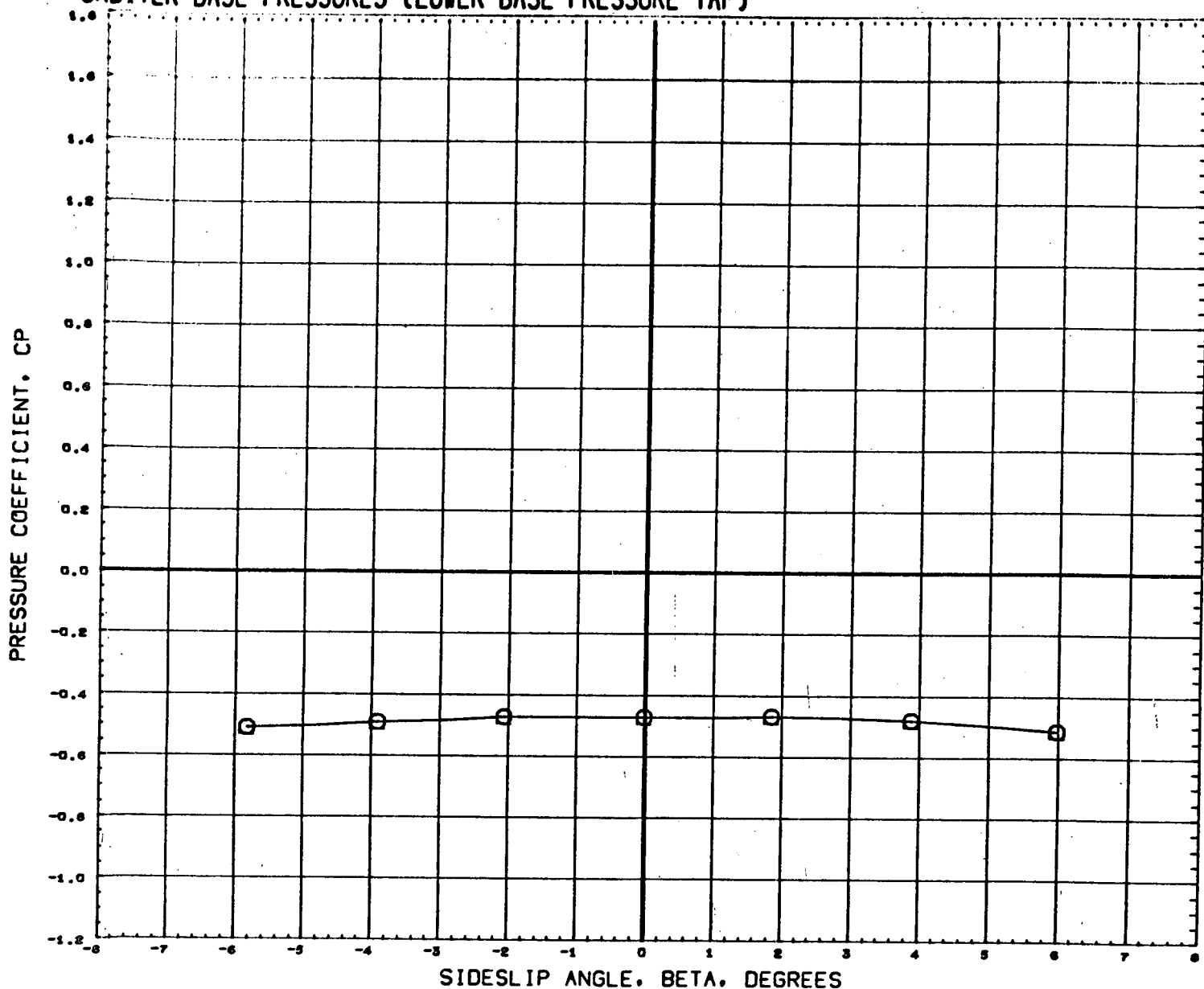
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 □ 44.000 0.136 1.001

PARAMETRIC VALUES
 ALPB 6.000 DX/L 0.000
 I 0.000

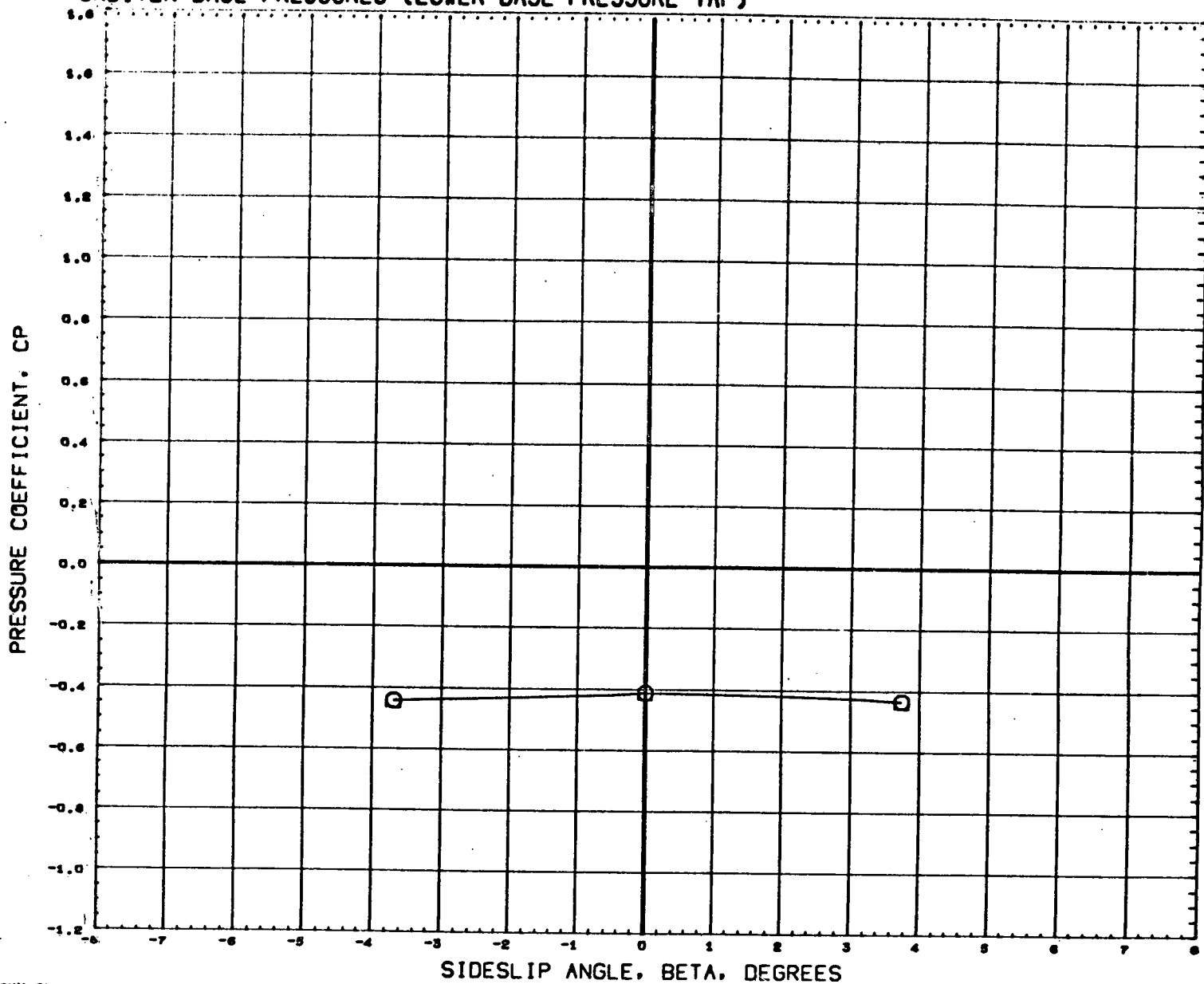
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O #4.000 0.138 1.100

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.000
 I 0.000

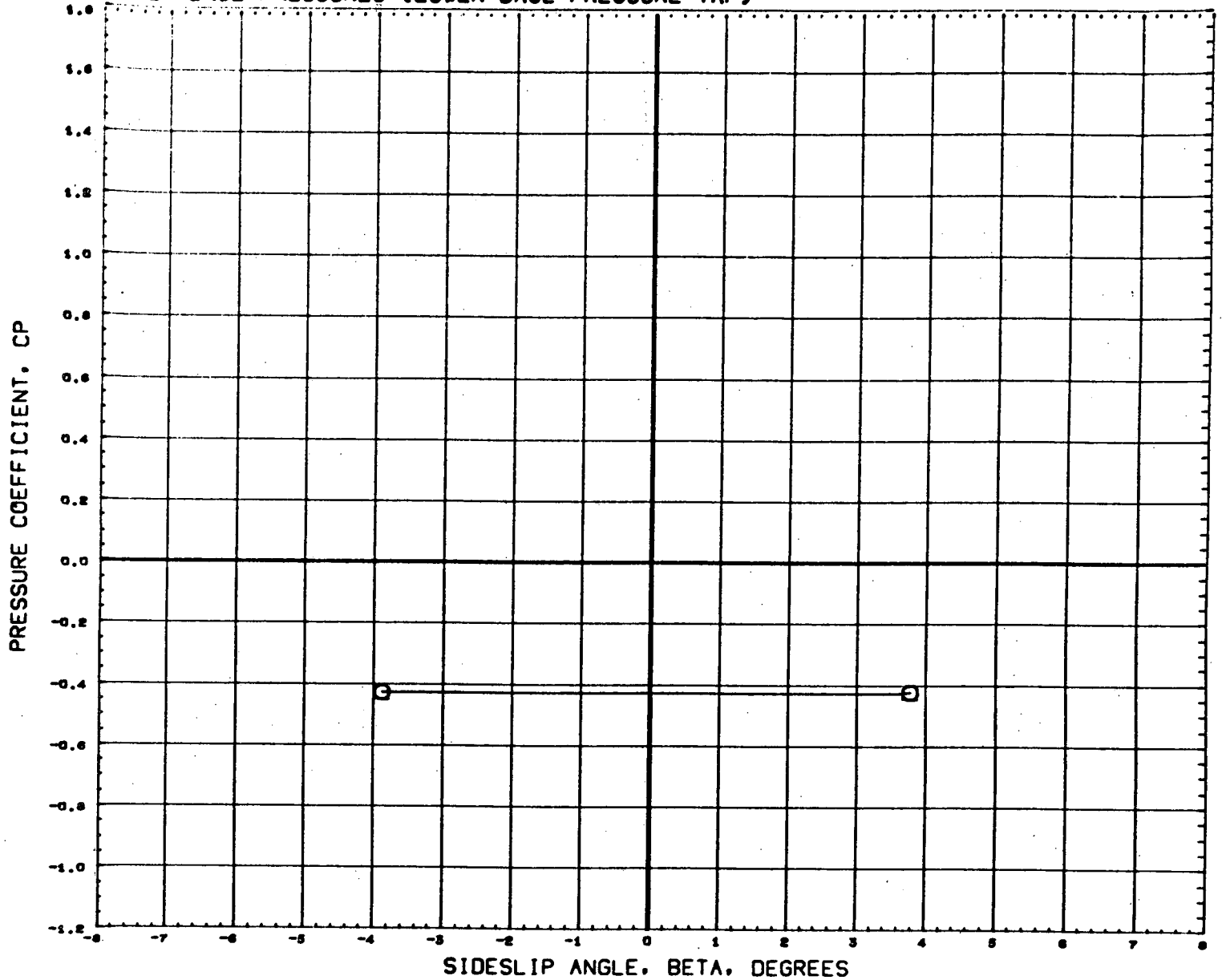
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 1.202

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.000
 I 0.000

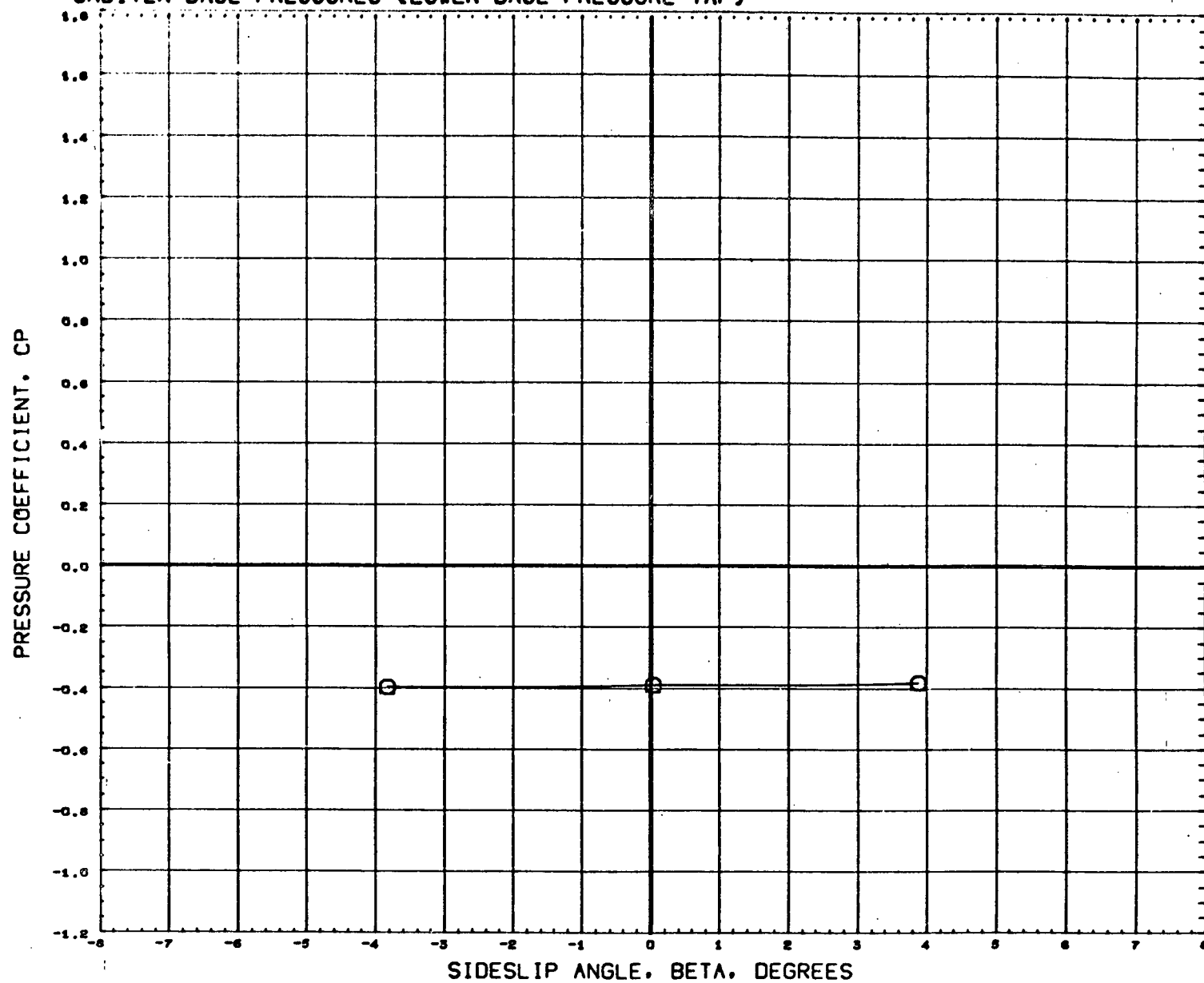
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.298

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.000
 I 0.000

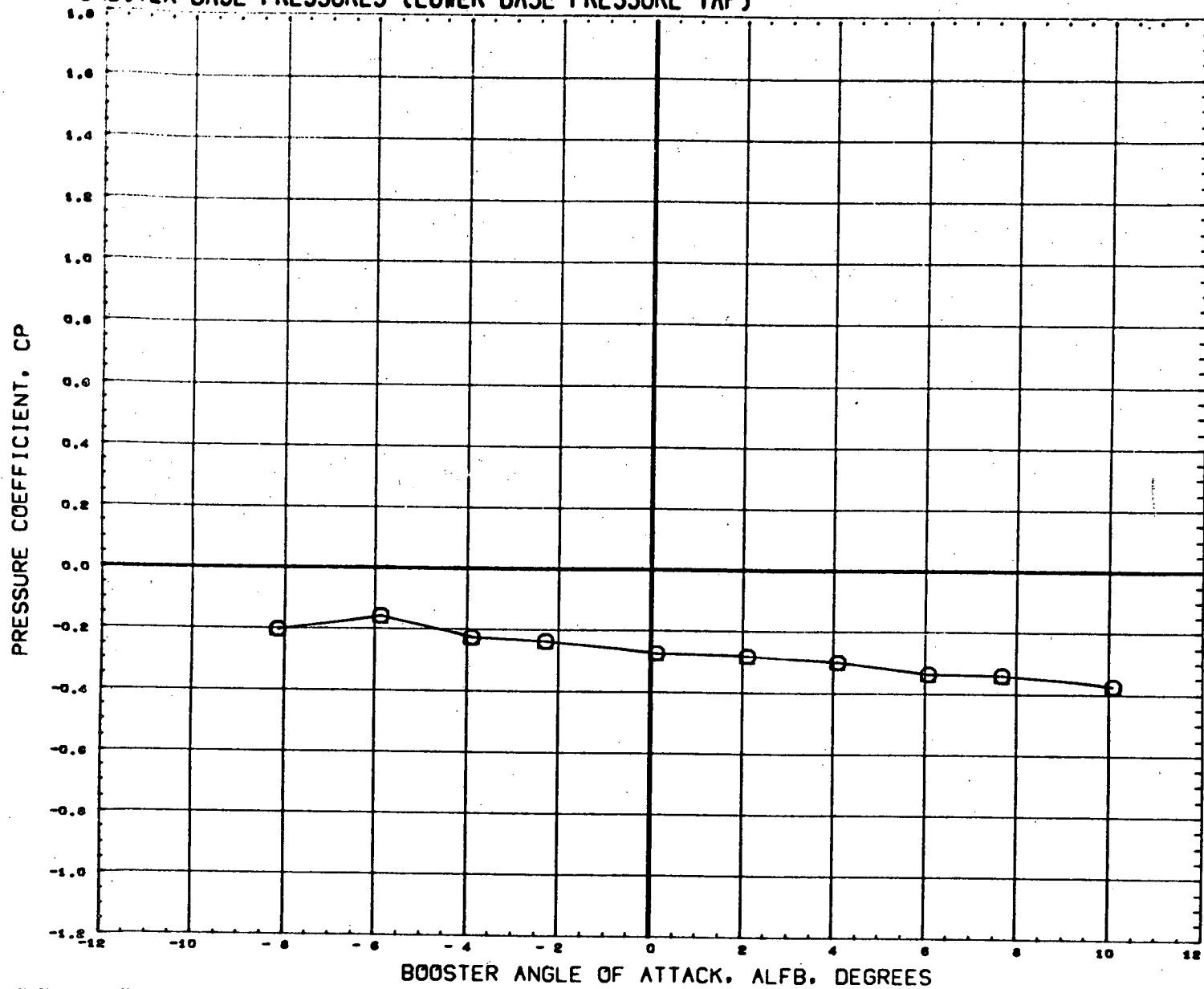
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC004)

PAGE 468

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 0.597

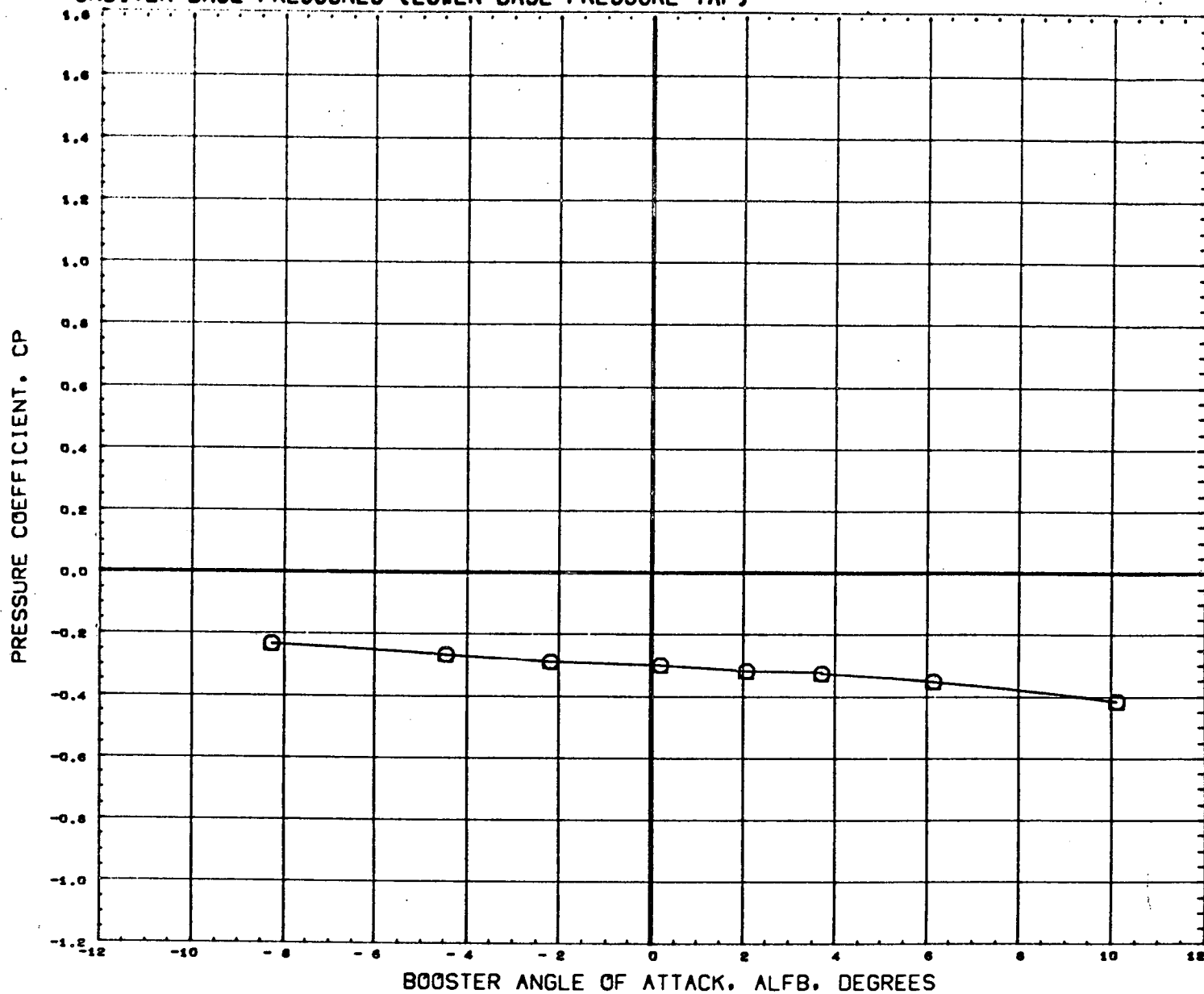
PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE) (ITC005)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.130 0.899

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

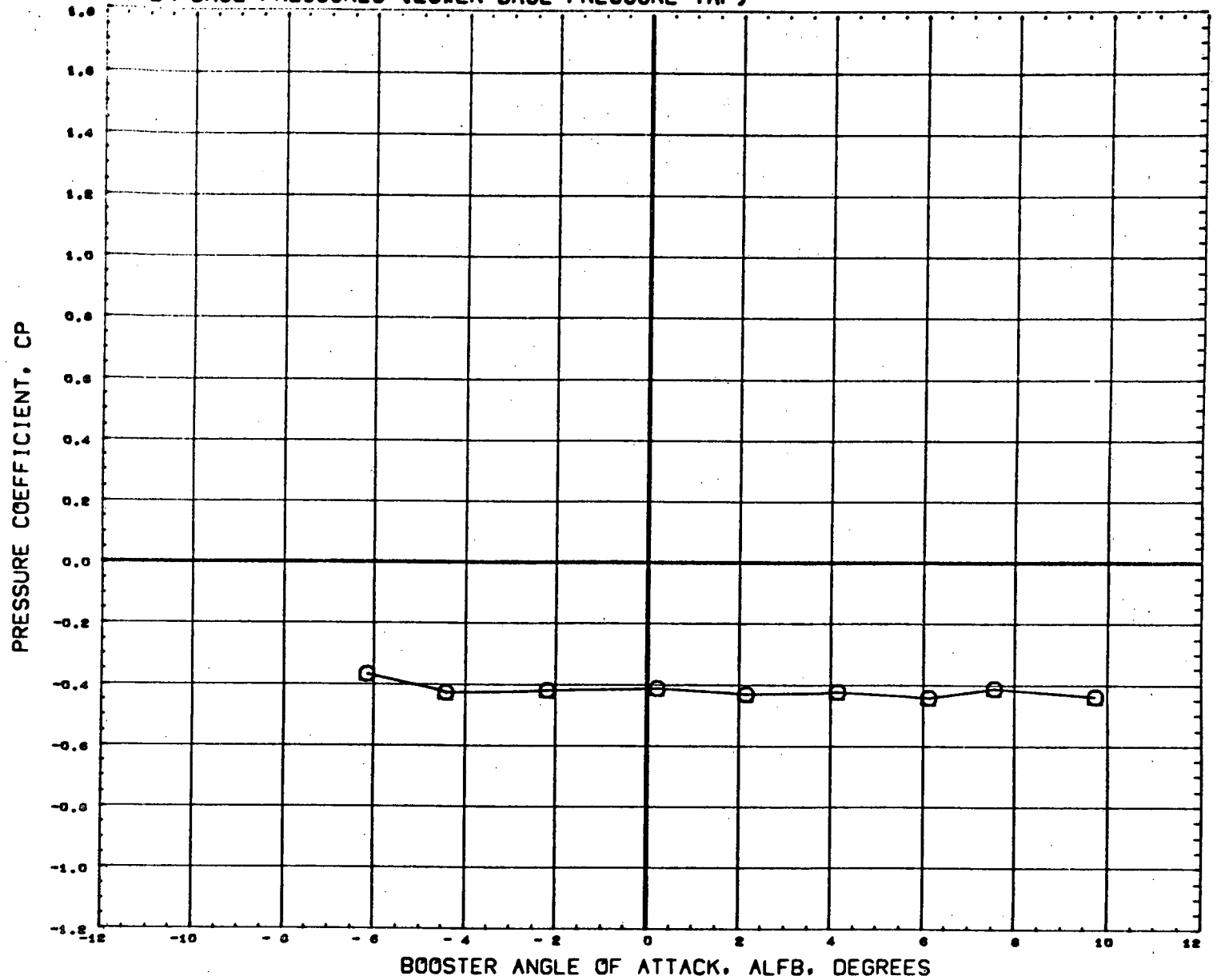
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC005)

PAGE 470

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.995

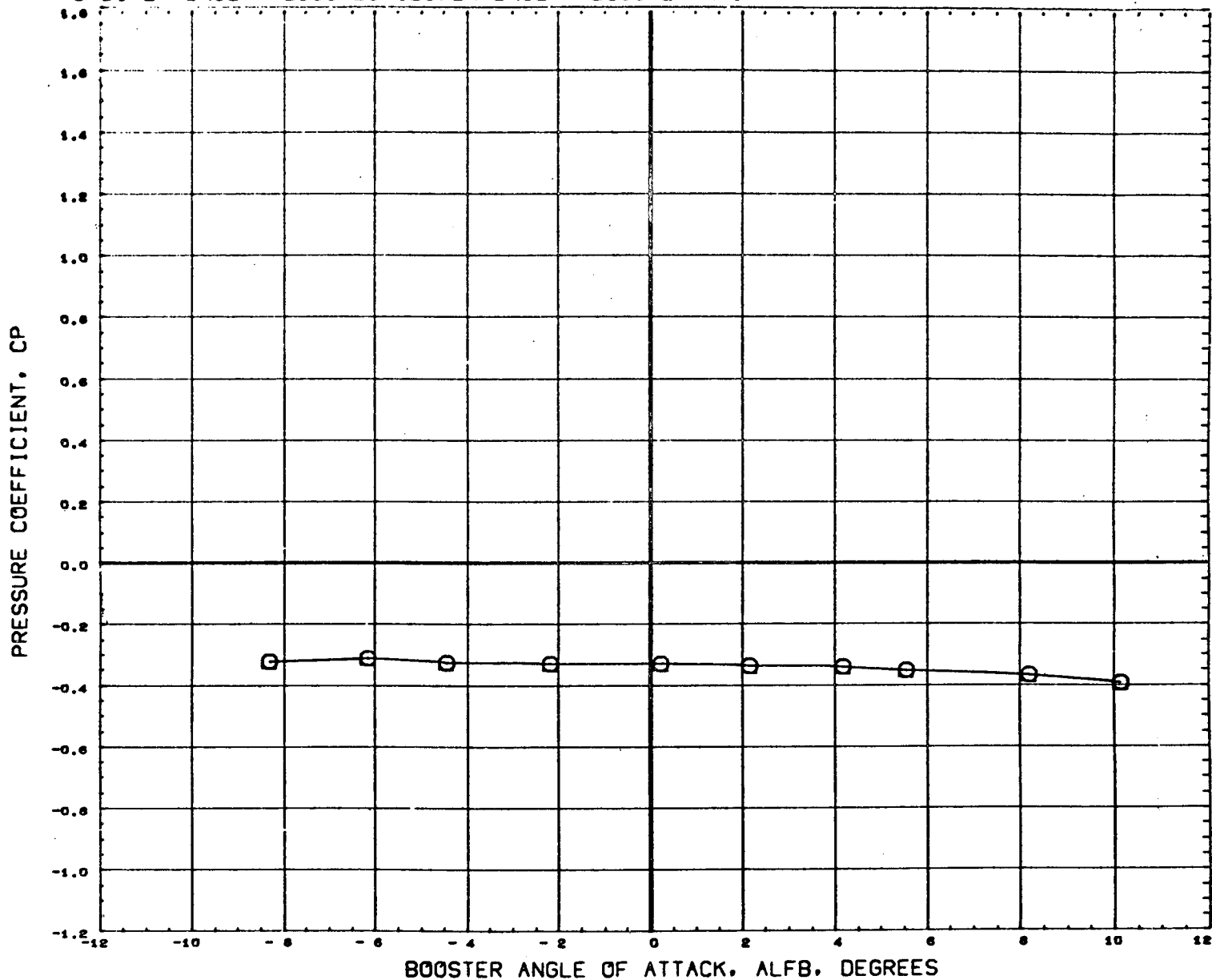
PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE) (ITC005)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.101

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

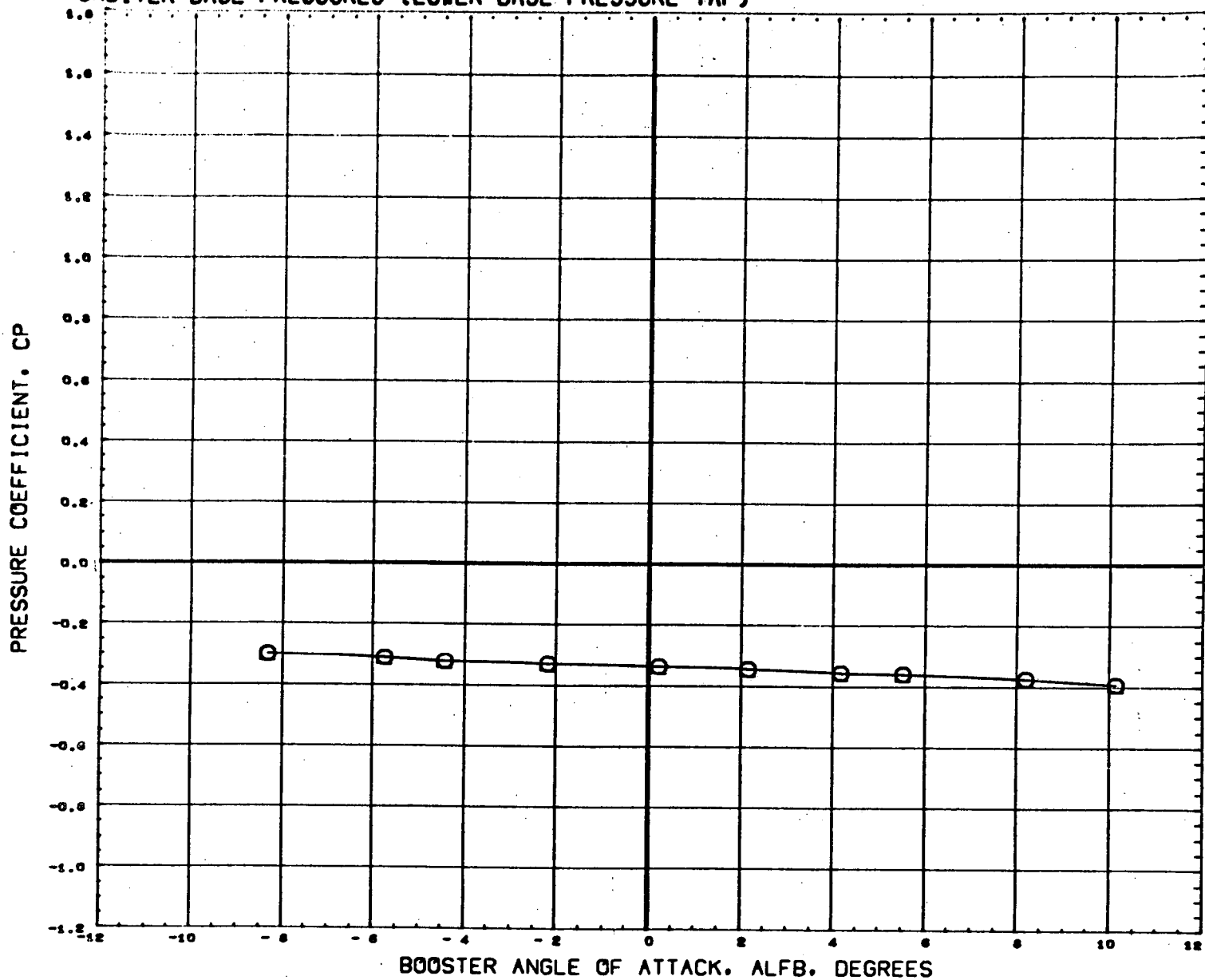
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC005)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 1.200

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

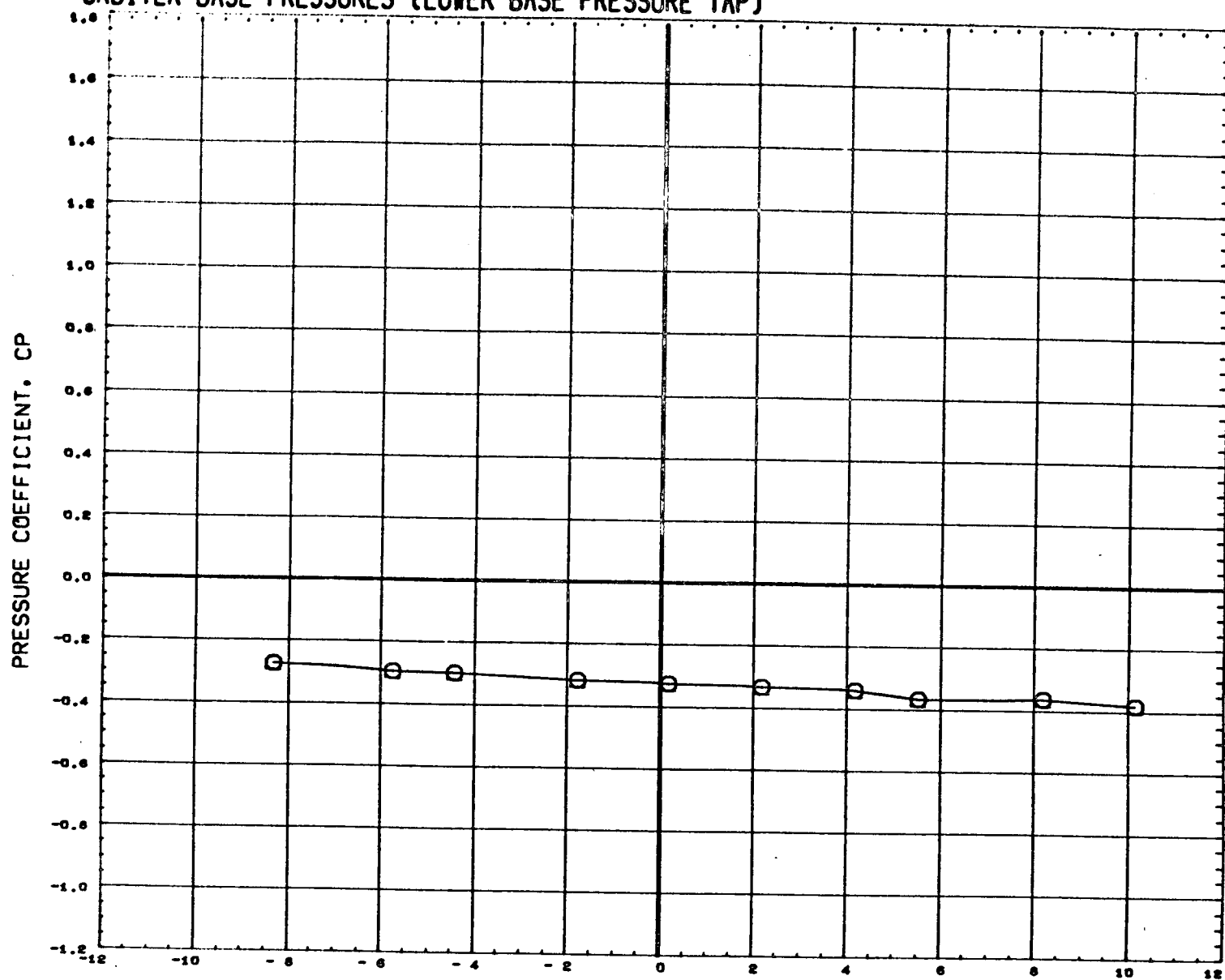
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC005)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



BOOSTER ANGLE OF ATTACK, ALFB, DEGREES

SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.300

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 0.000

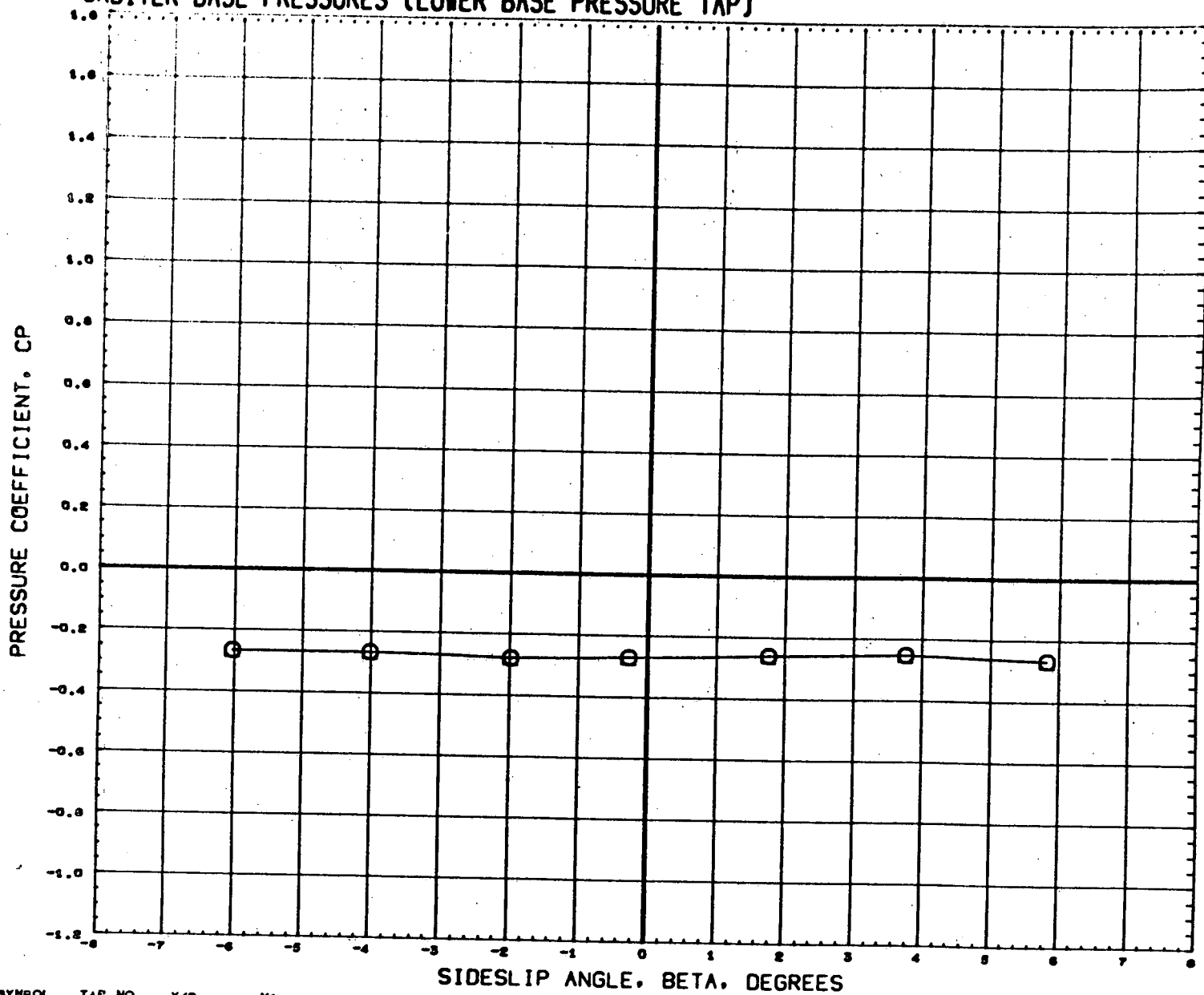
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC005)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 0.599

PARAMETRIC VALUES
 ALPB 0.000 DX/L 0.036
 I 0.000

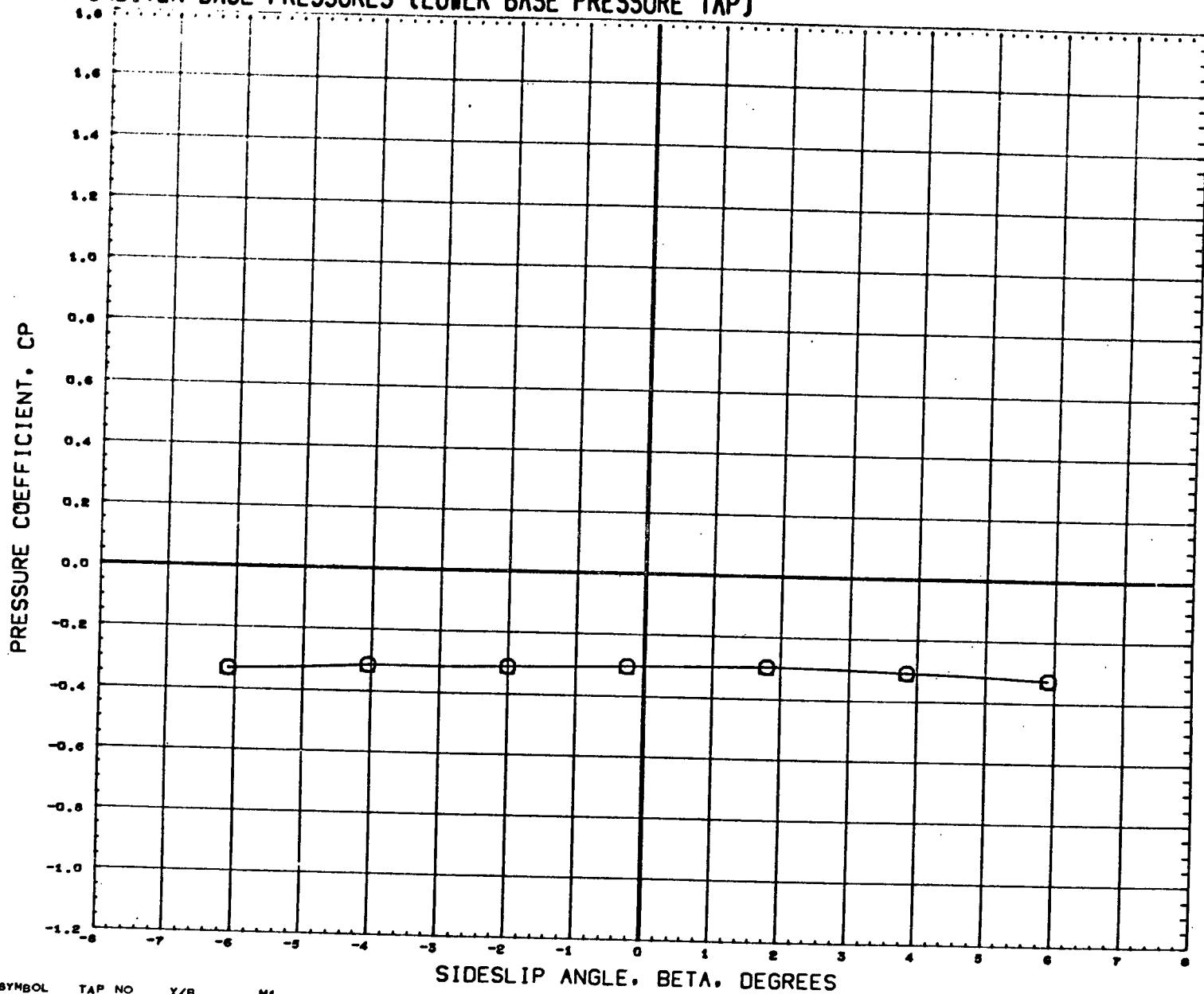
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 Q 44.000 0.136 0.899

PARAMETRIC VALUES
 ALPB 0.000 DX/L 0.036
 I 0.000

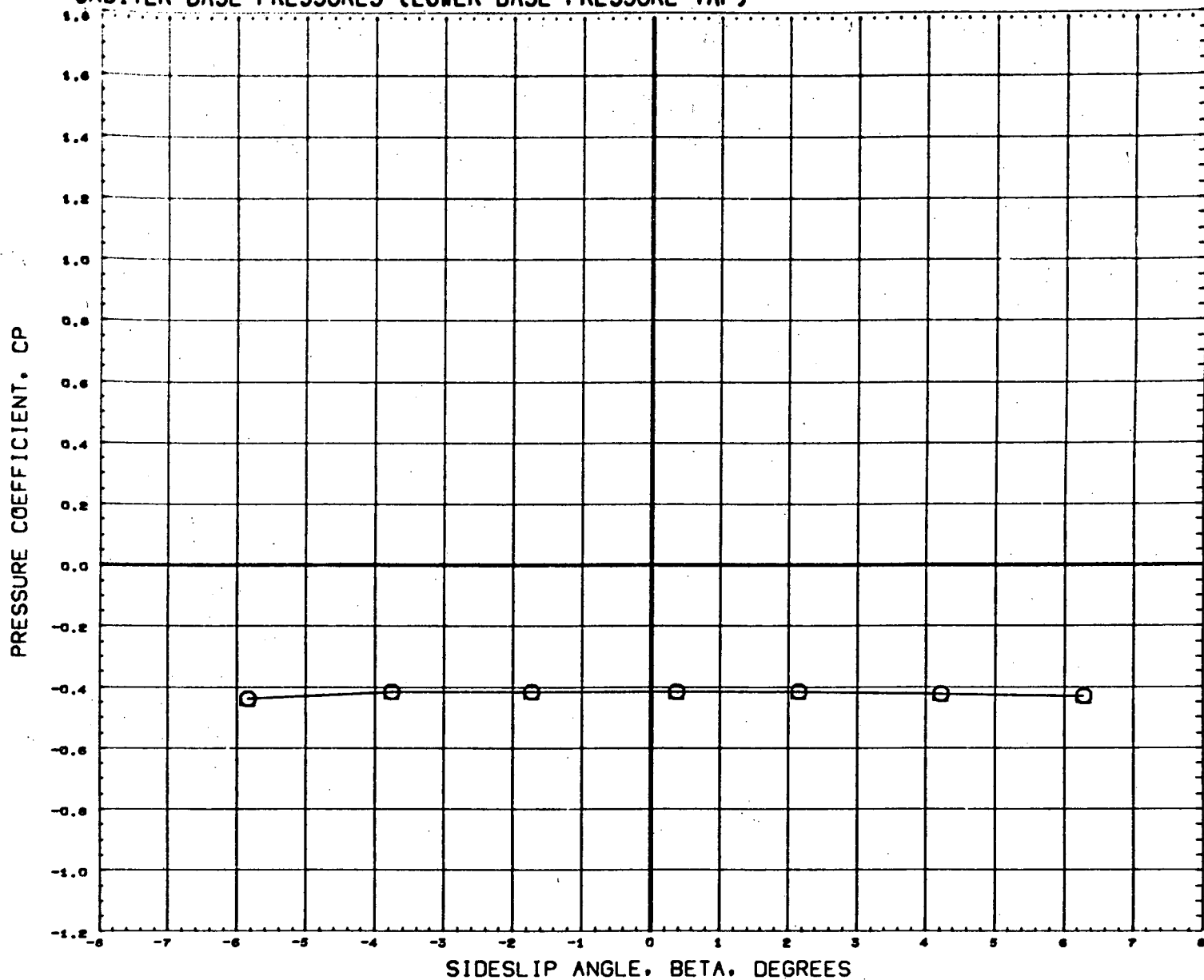
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.004

PARAMETRIC VALUES
 ALPB 0.000 BX/L 0.036
 I 0.000

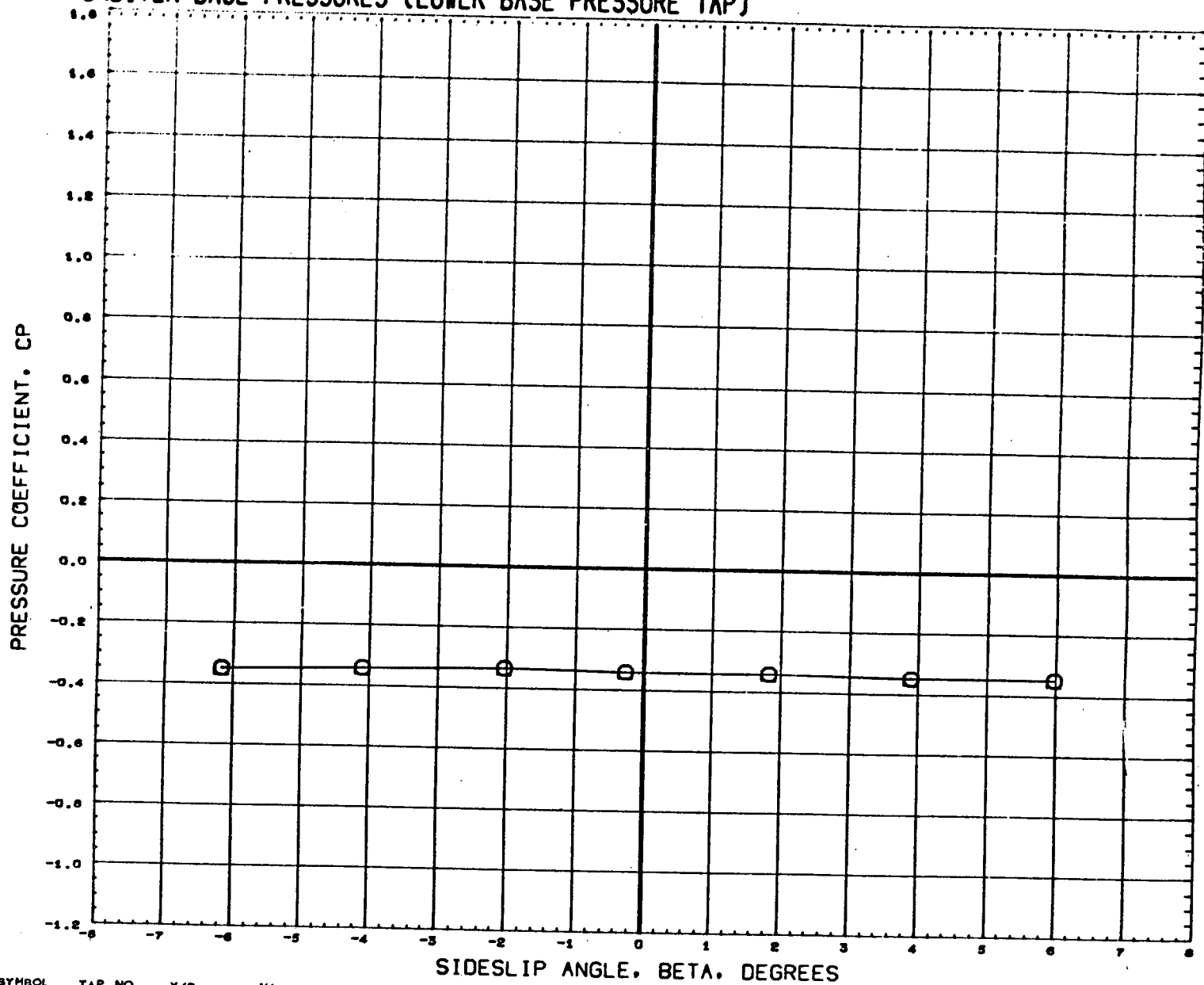
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.099

PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

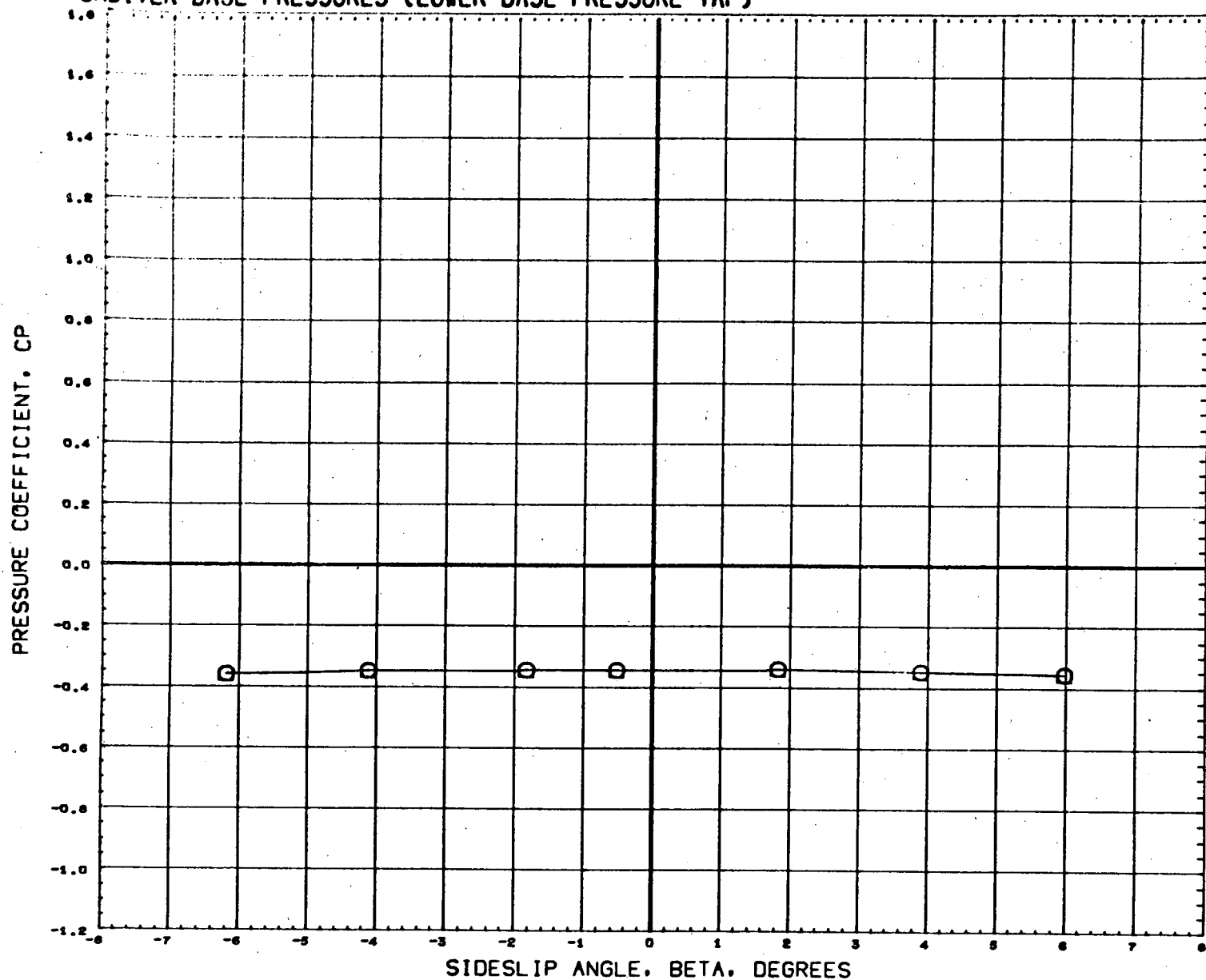
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.201

PARAMETRIC VALUES
ALFB 0.000 DX/L 0.036
I 0.000

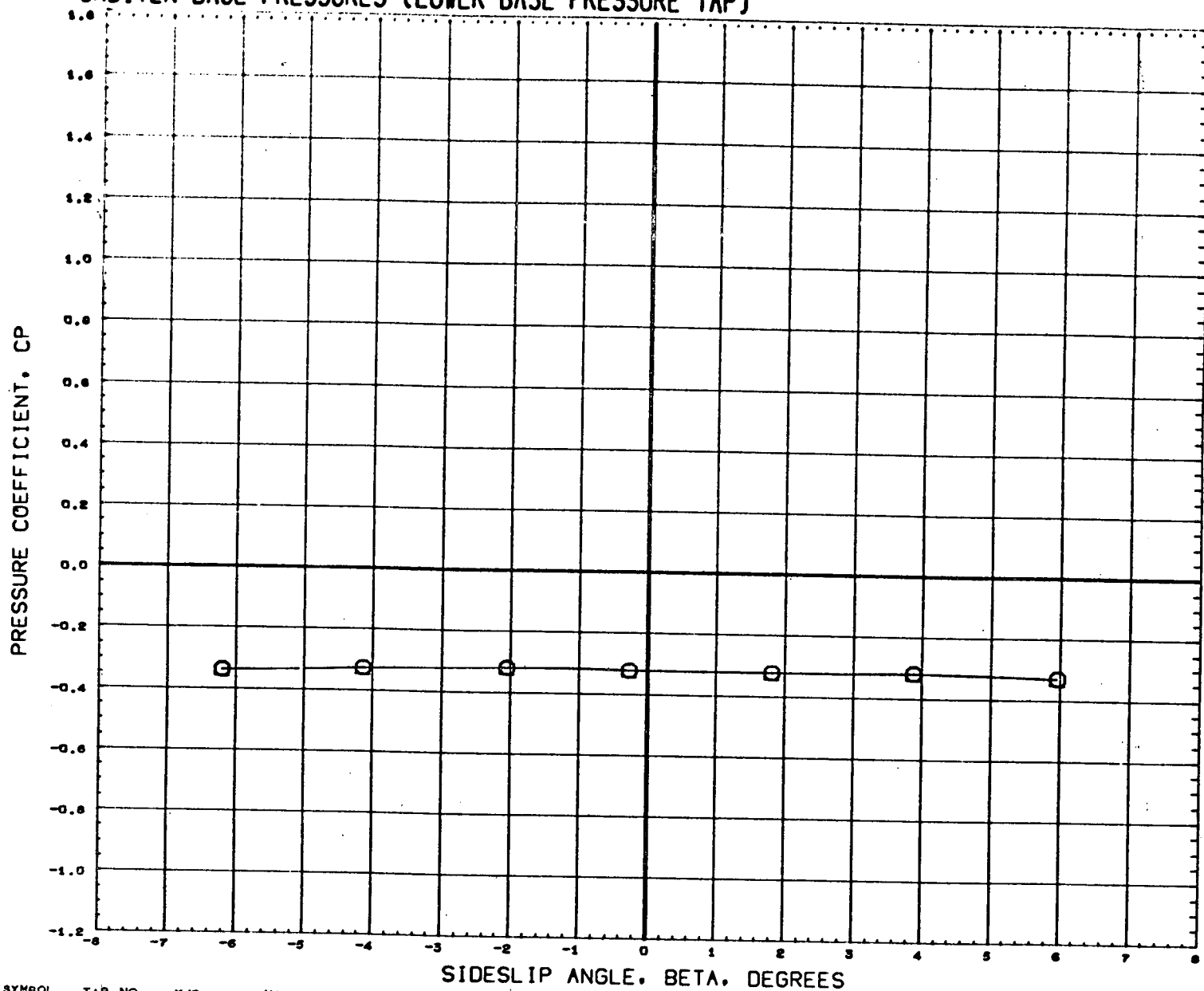
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.299

PARAMETRIC VALUES
 ALFB 0.000 DX/L 0.036
 I 0.000

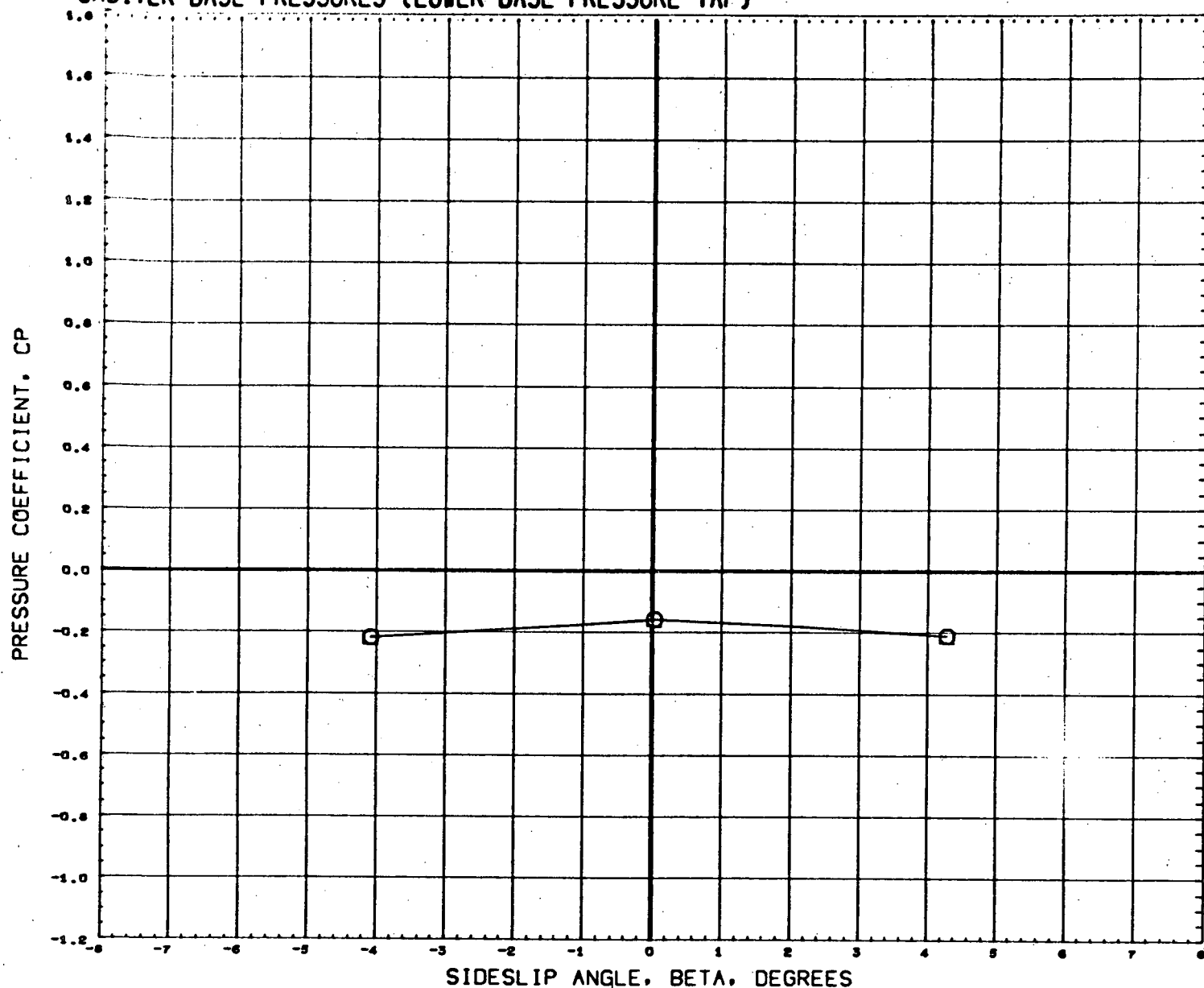
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC006)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 ○ 44.000 0.138 0.599

PARAMETRIC VALUES
 ALFB - 6.000 OX/L 0.036
 I 0.000

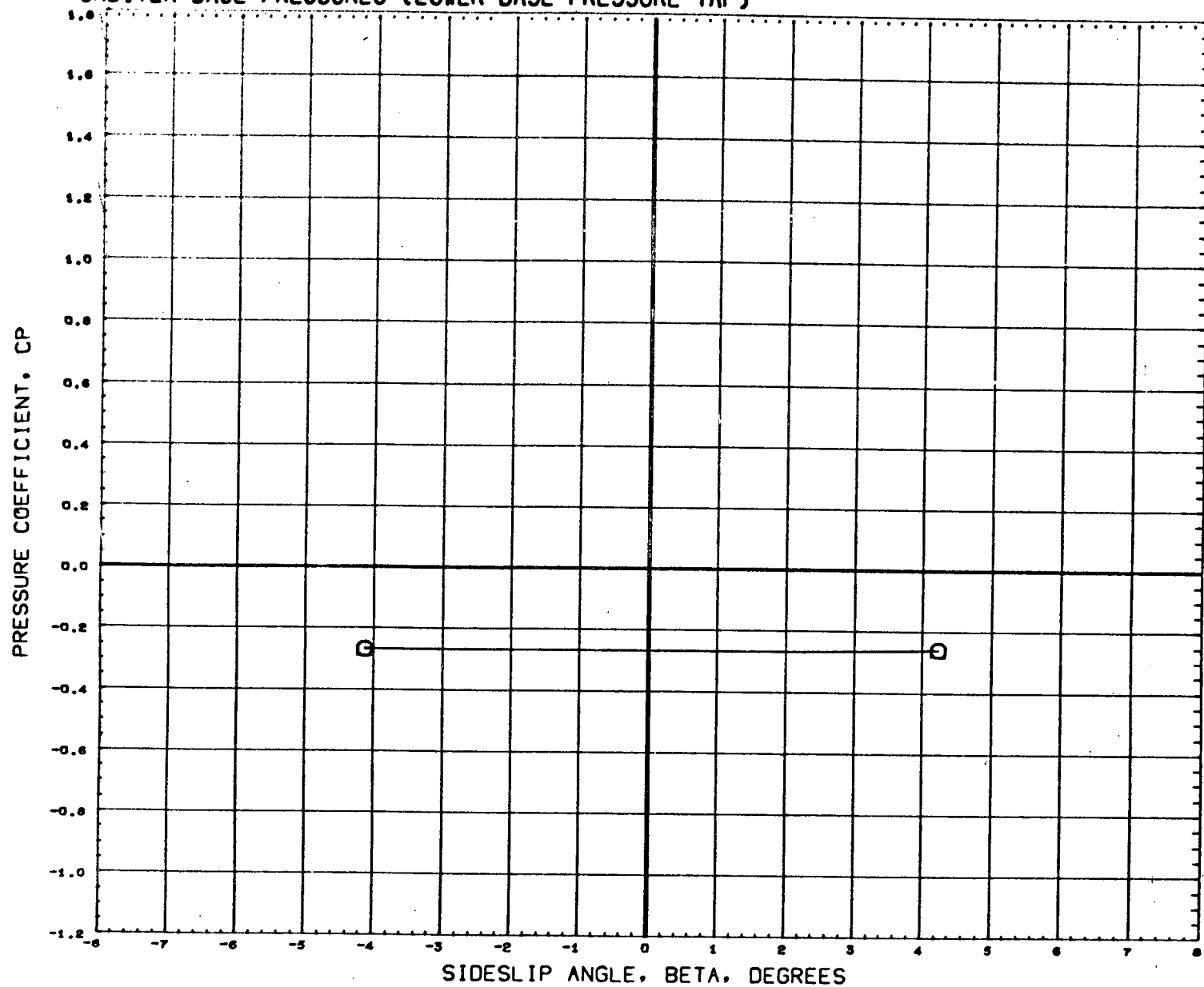
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC007)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.901

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.036
 I 0.000

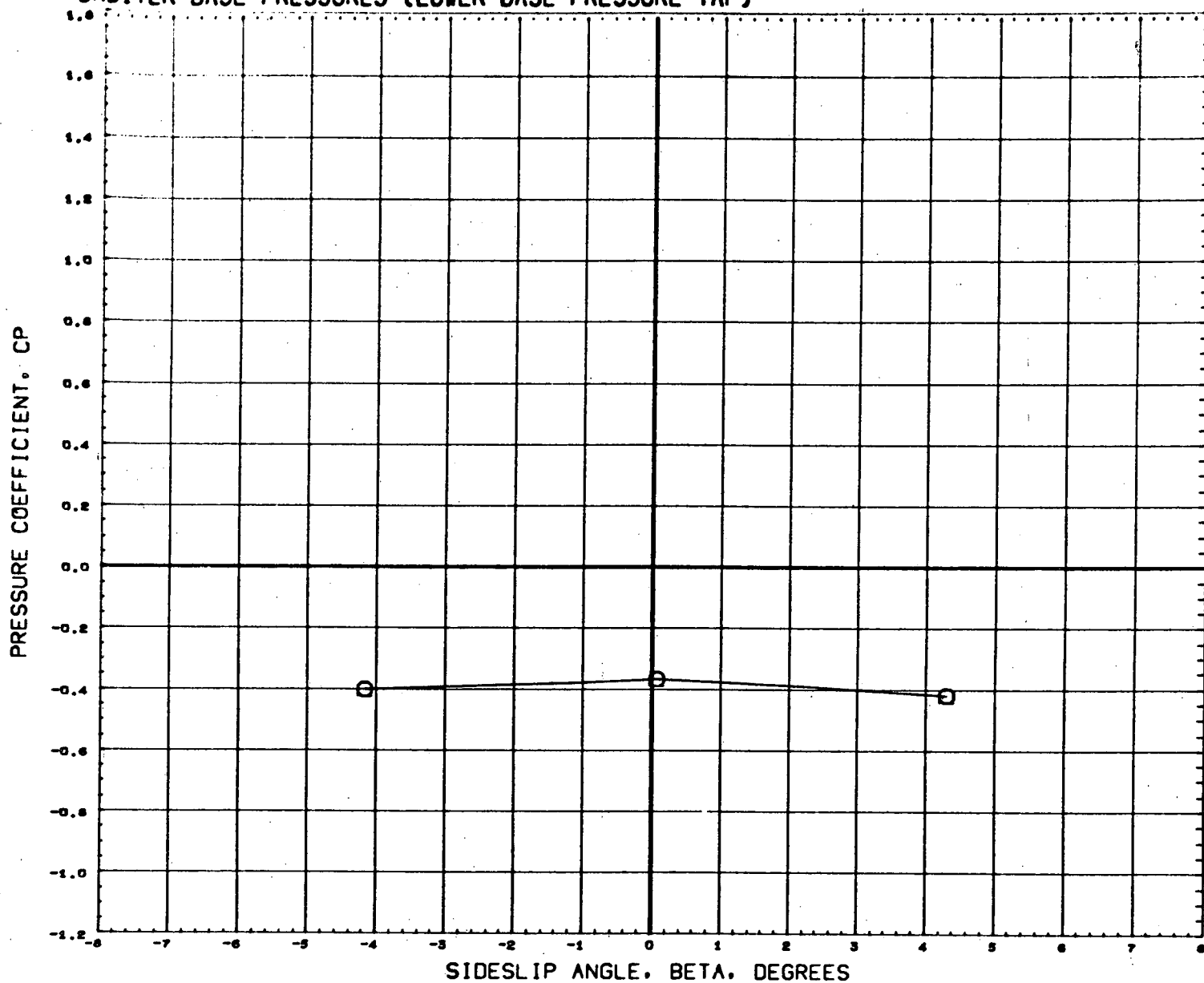
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC007)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.995

PARAMETRIC VALUES
 ALFB - 6.000 OX/L 0.036
 I 0.000

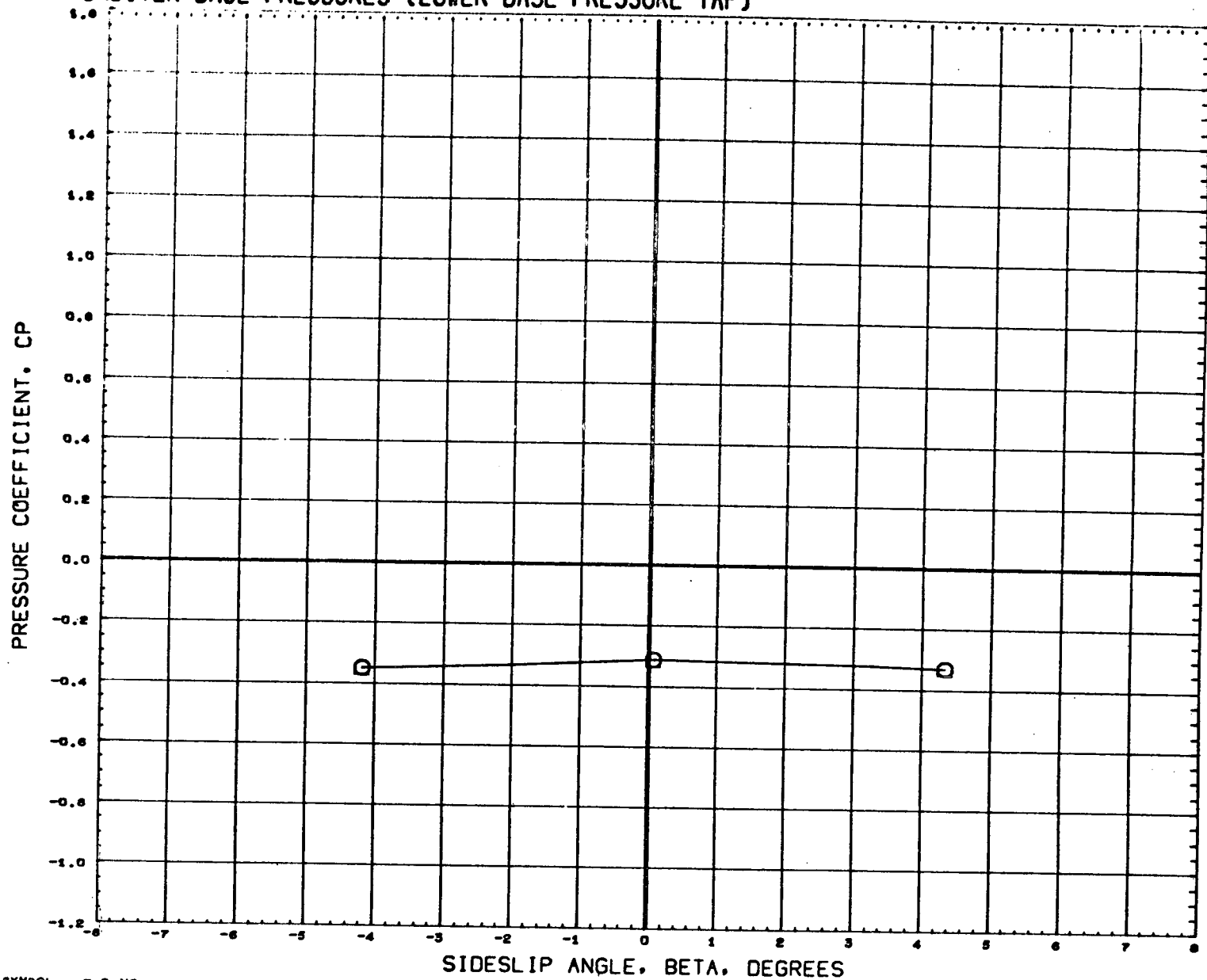
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC007)

PAGE 483

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.100

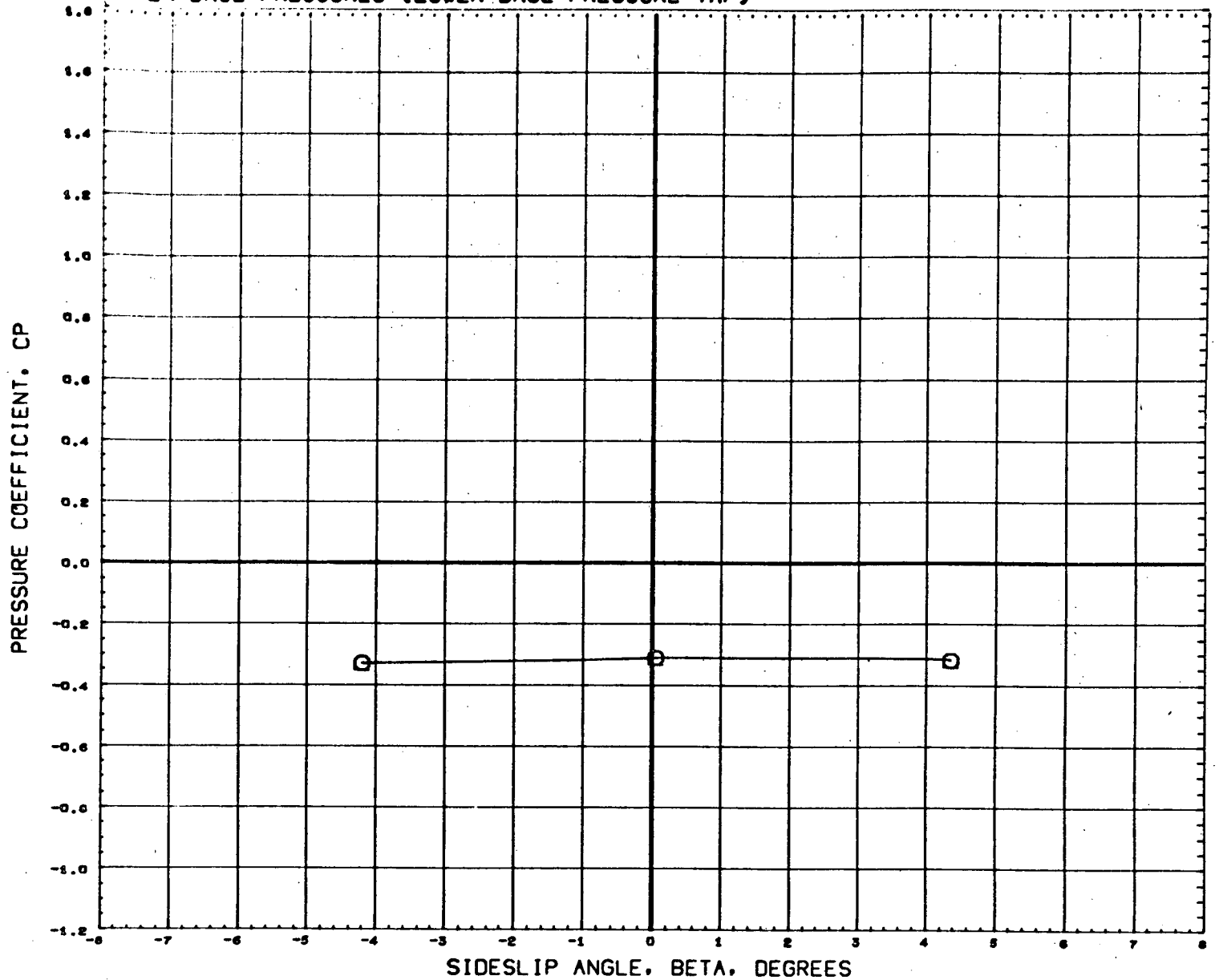
PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.036
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE) (ITC007)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.900 0.138 1.199

PARAMETRIC VALUES
 ALFB - 6.000 DX/L 0.036
 I 0.000

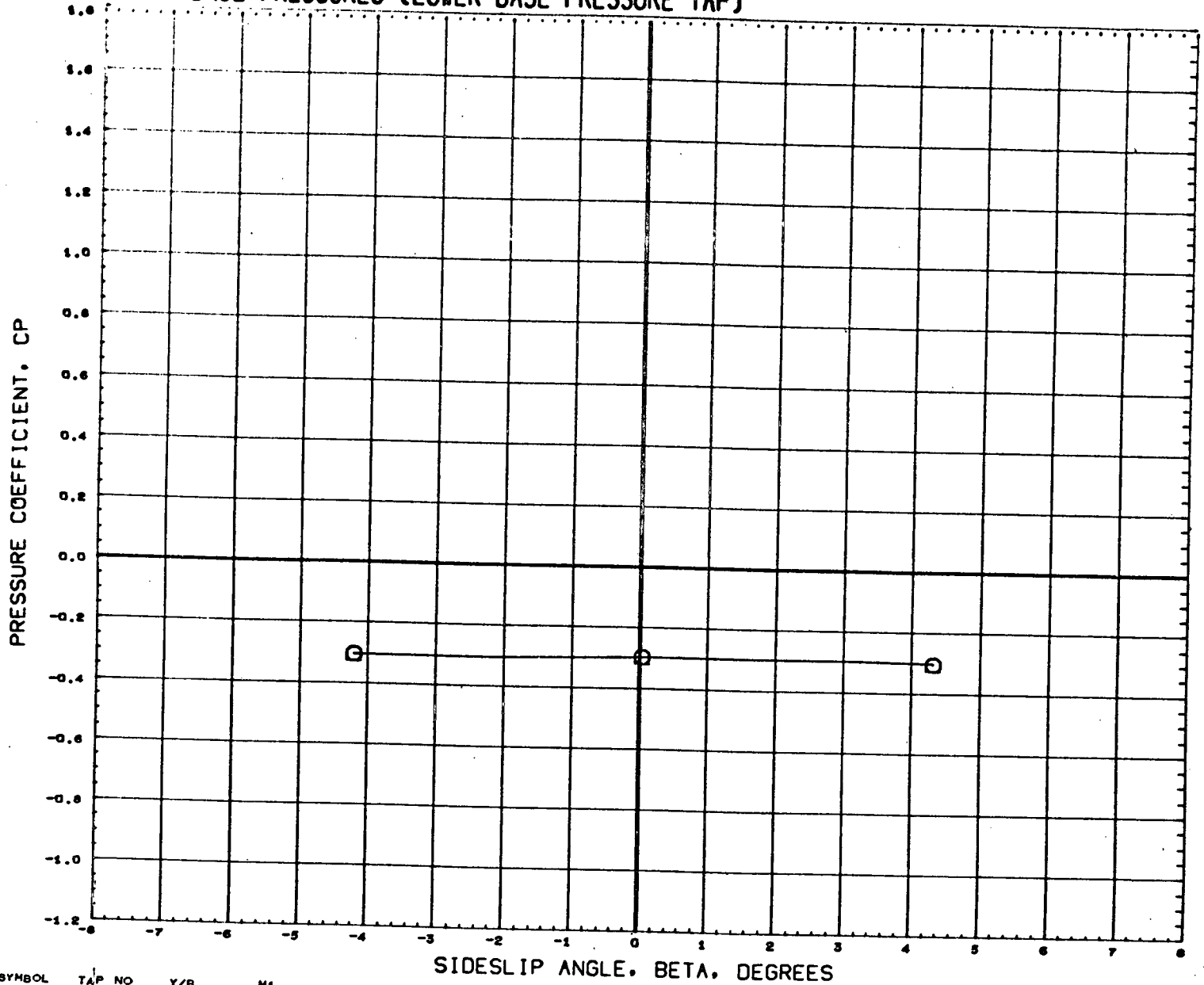
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC007)

PAGE 485

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 1.297

PARAMETRIC VALUES
 ALFB - 6.000 BX/L 0.036
 I 0.000

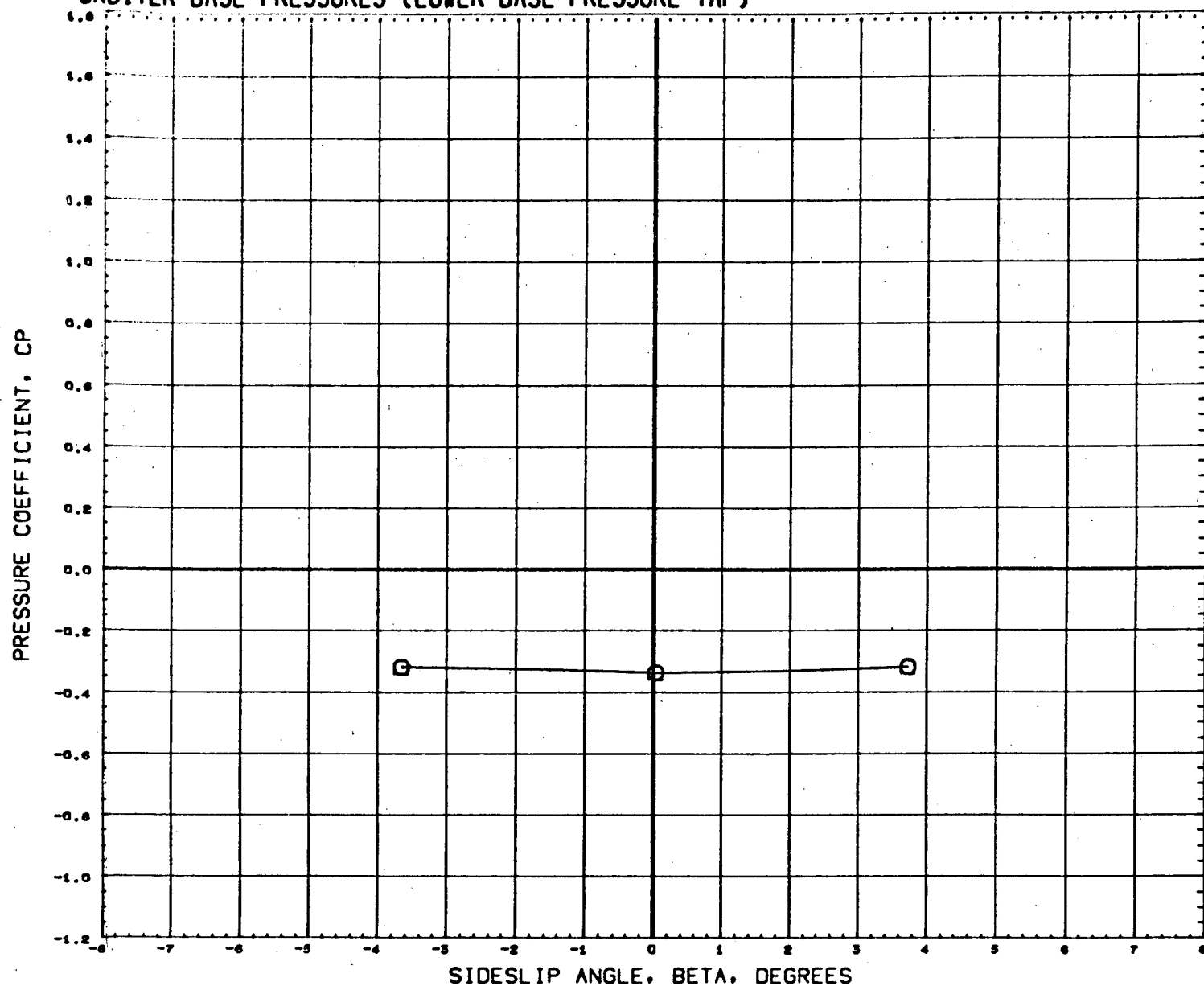
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC007)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.600

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.036
 I 0.000

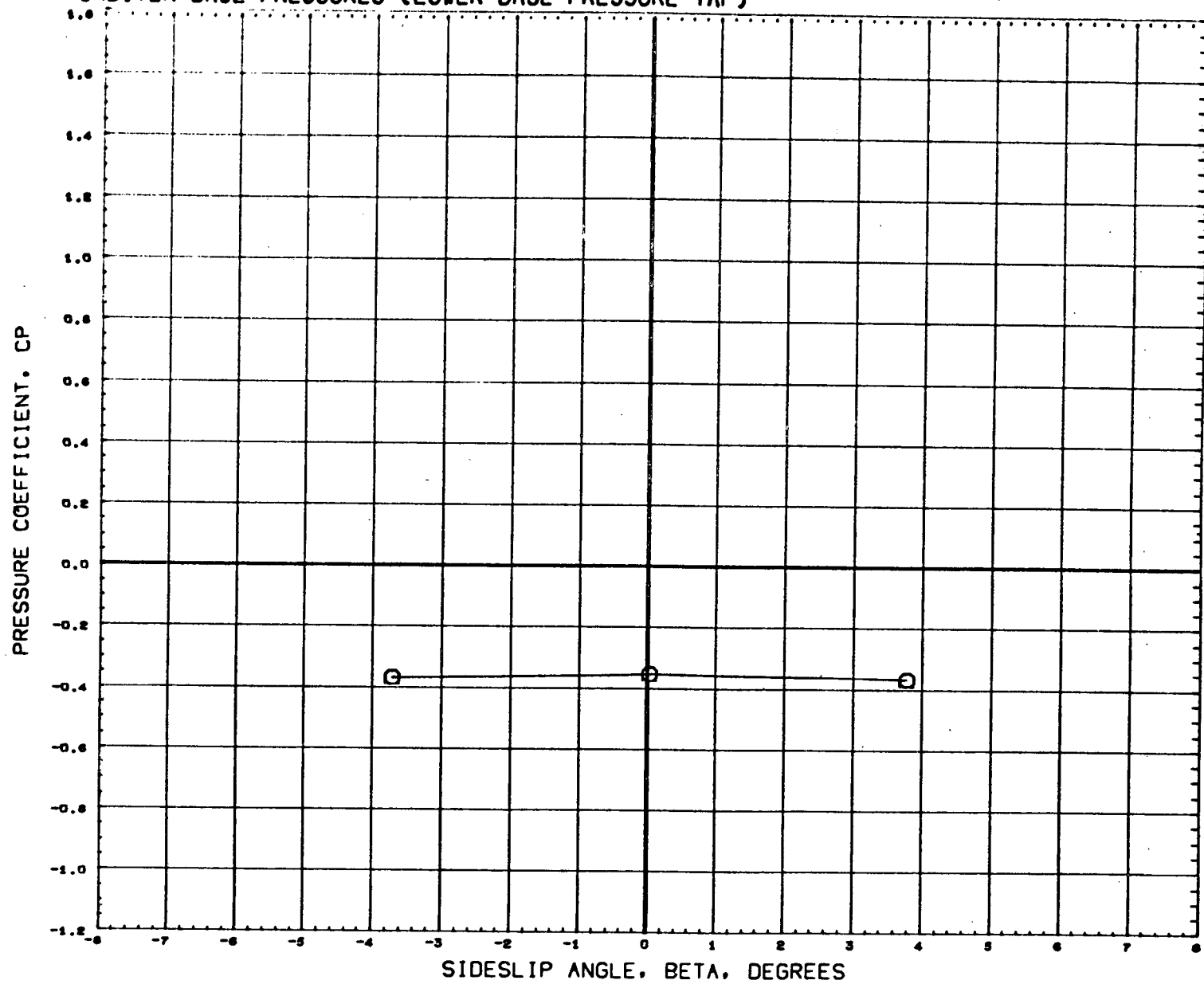
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.991

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.036
 I 0.000

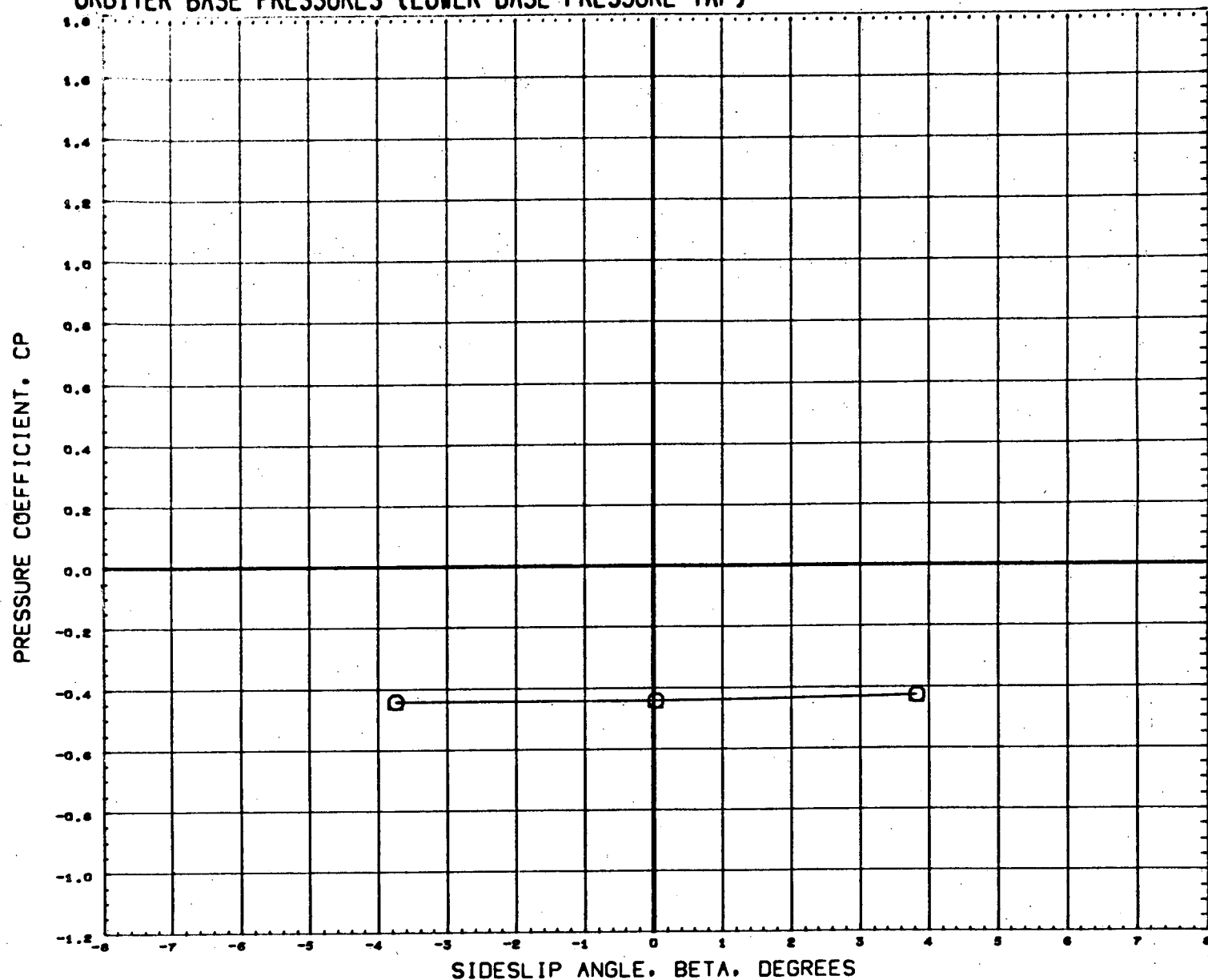
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.002

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.036
 1 0.000

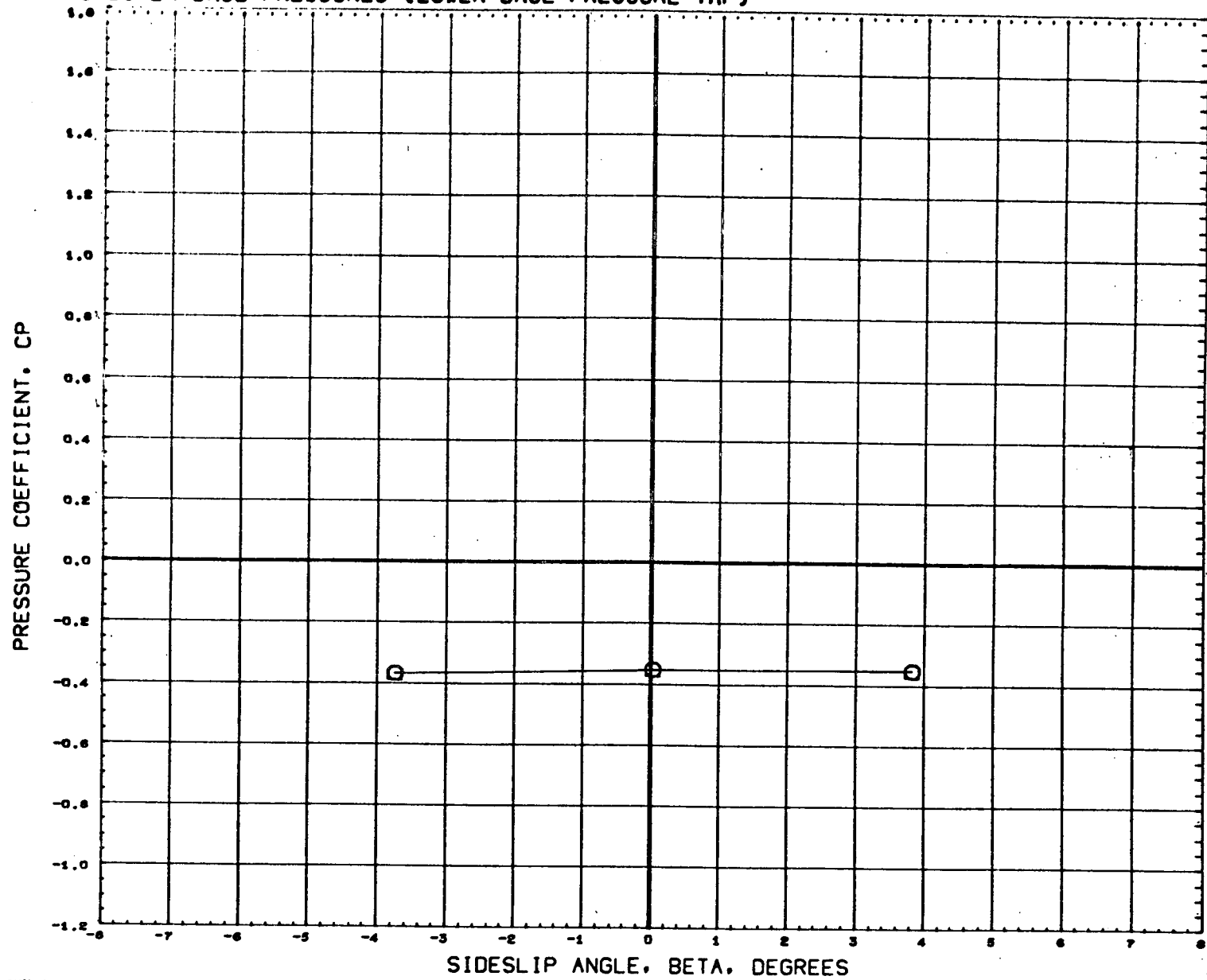
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.100

ALPB
 I

PARAMETRIC VALUES
 6.000 0X/L 0.036
 0.000

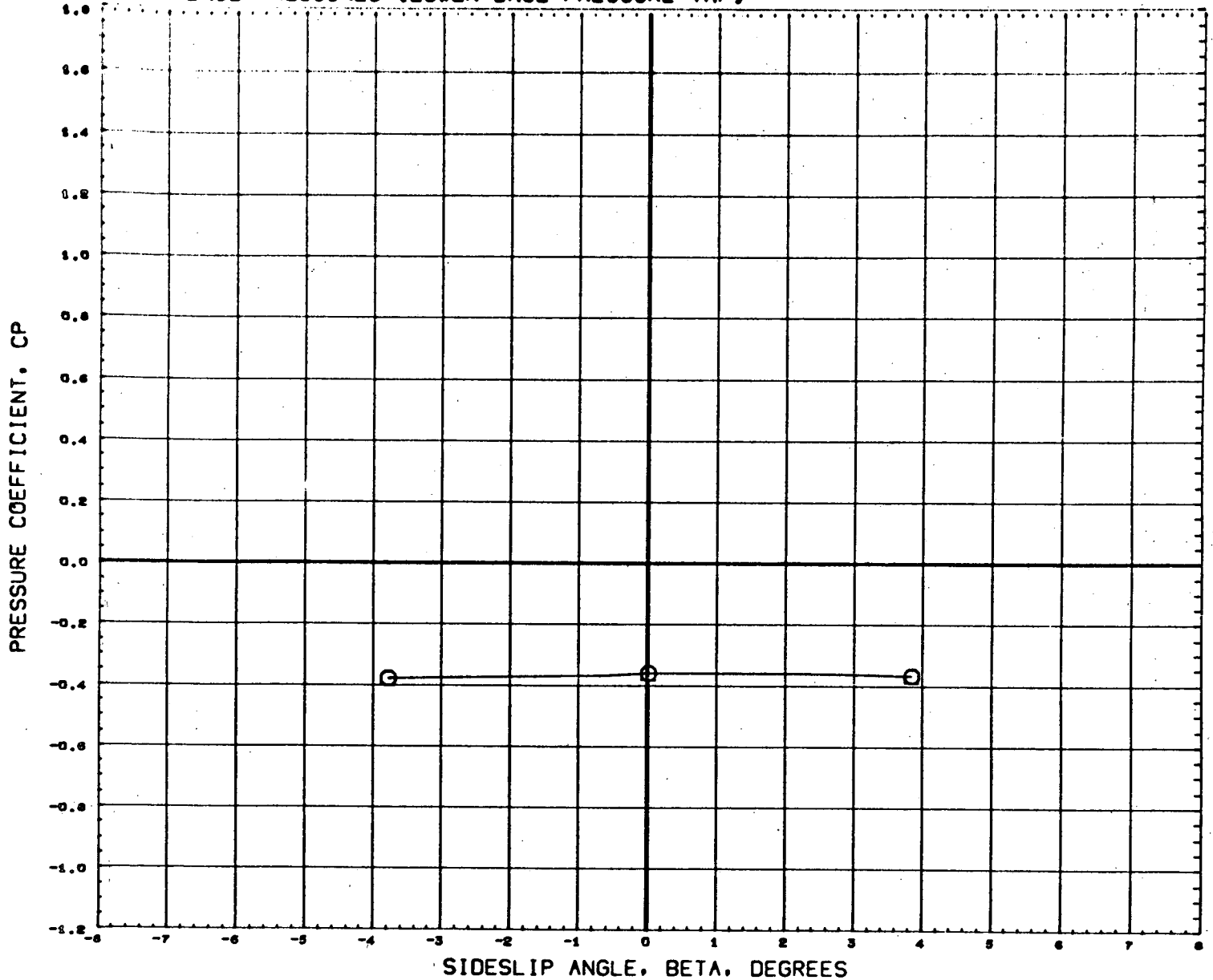
REFERENCE FILE


AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL  TAP NO 44.000 Y/B 0.138 M1 1.201

PARAMETRIC VALUES
 ALFB 6.000 DX/L 0.036
 I 0.000

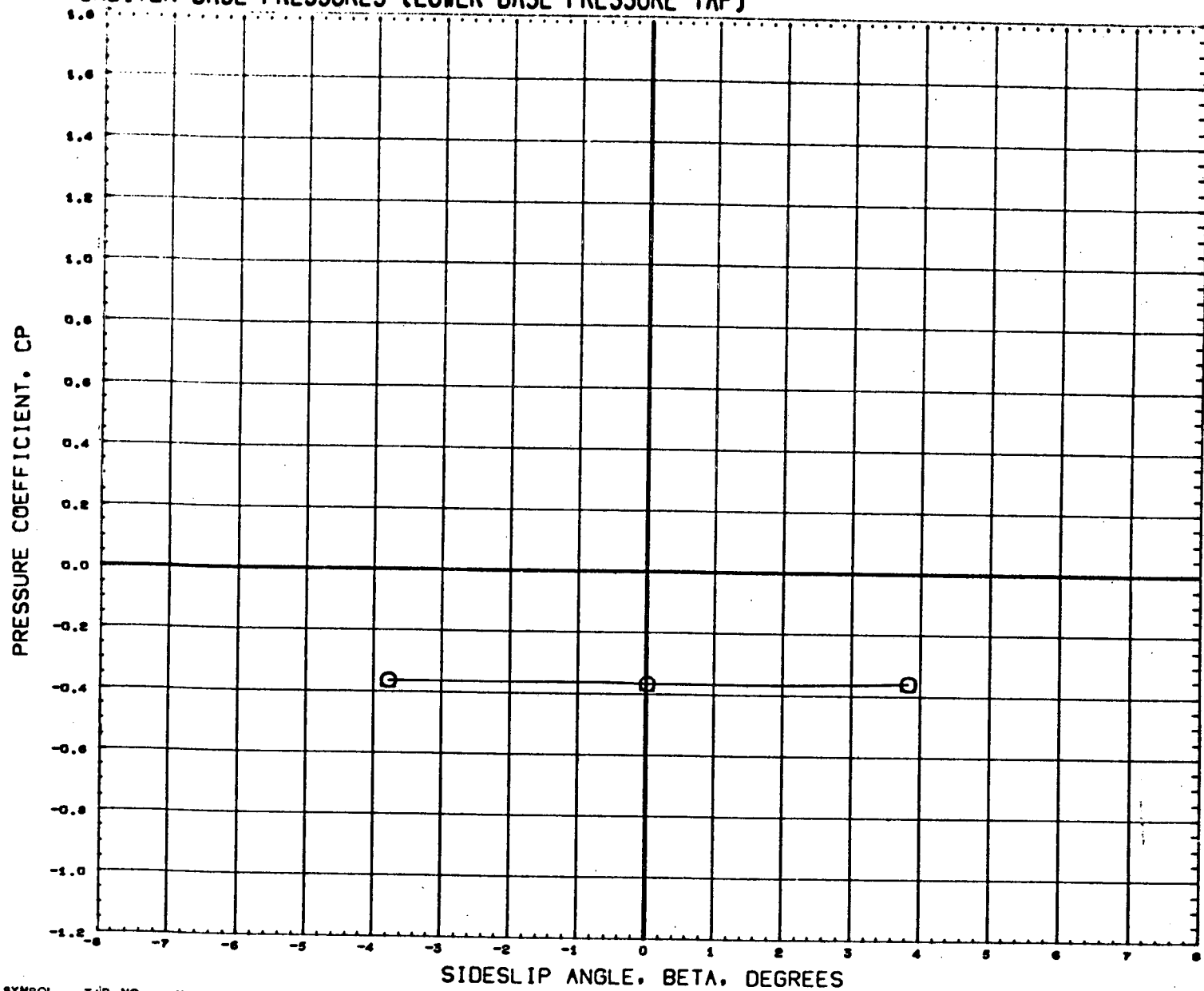
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.299

PARAMETRIC VALUES
ALFB 6.000 DX/L 0.036
I 0.000

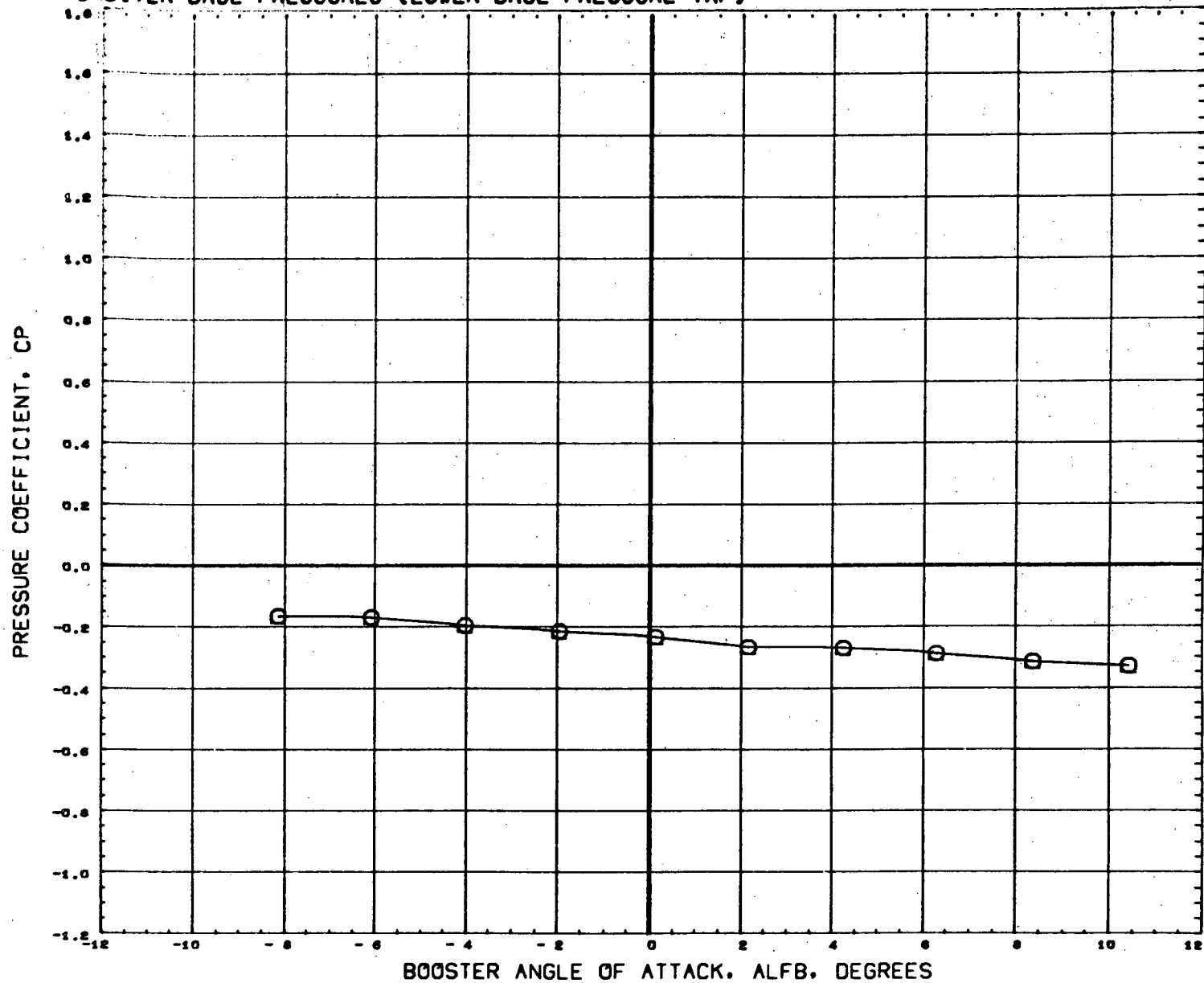
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC008)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.601

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 1.900

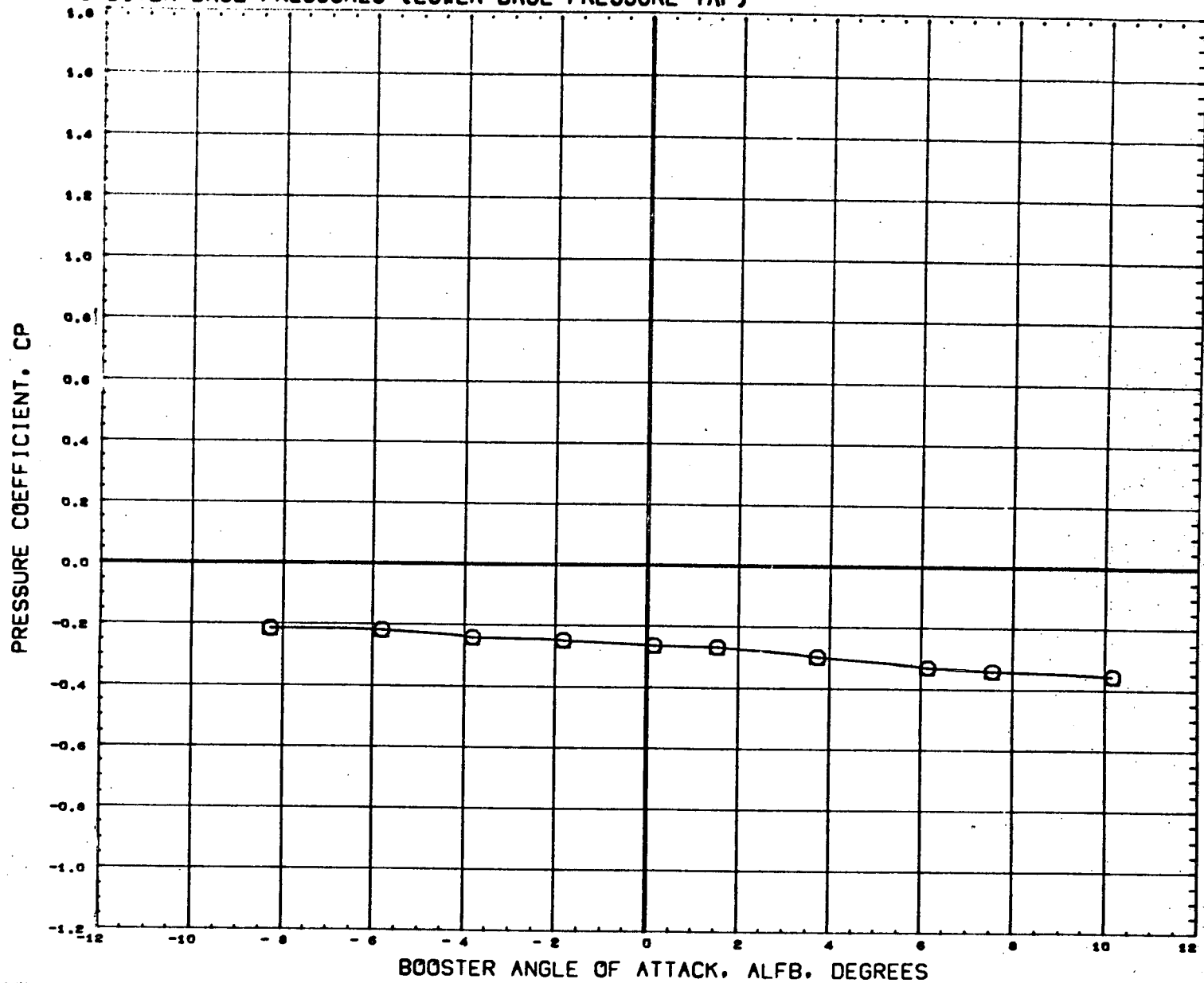
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

PAGE 493

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \square TAP NO 44.000 Y/B 0.138 M1 0.993

PARAMETRIC VALUES
BETA 0.000 DX/L 0.036
I 1.900

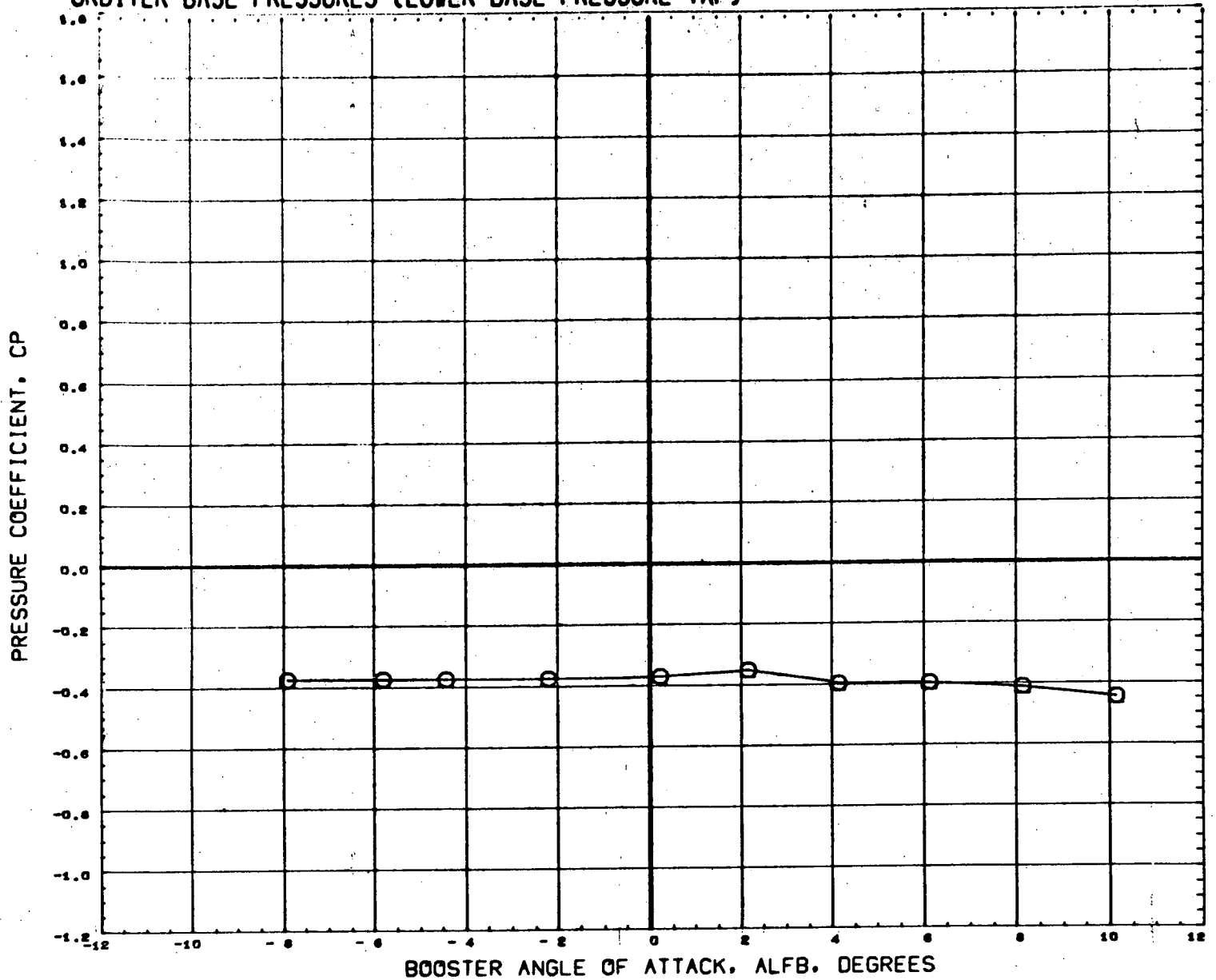
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.004

PARAMETRIC VALUES
 BETA 0.000
 I 1.000 DX/L 0.036

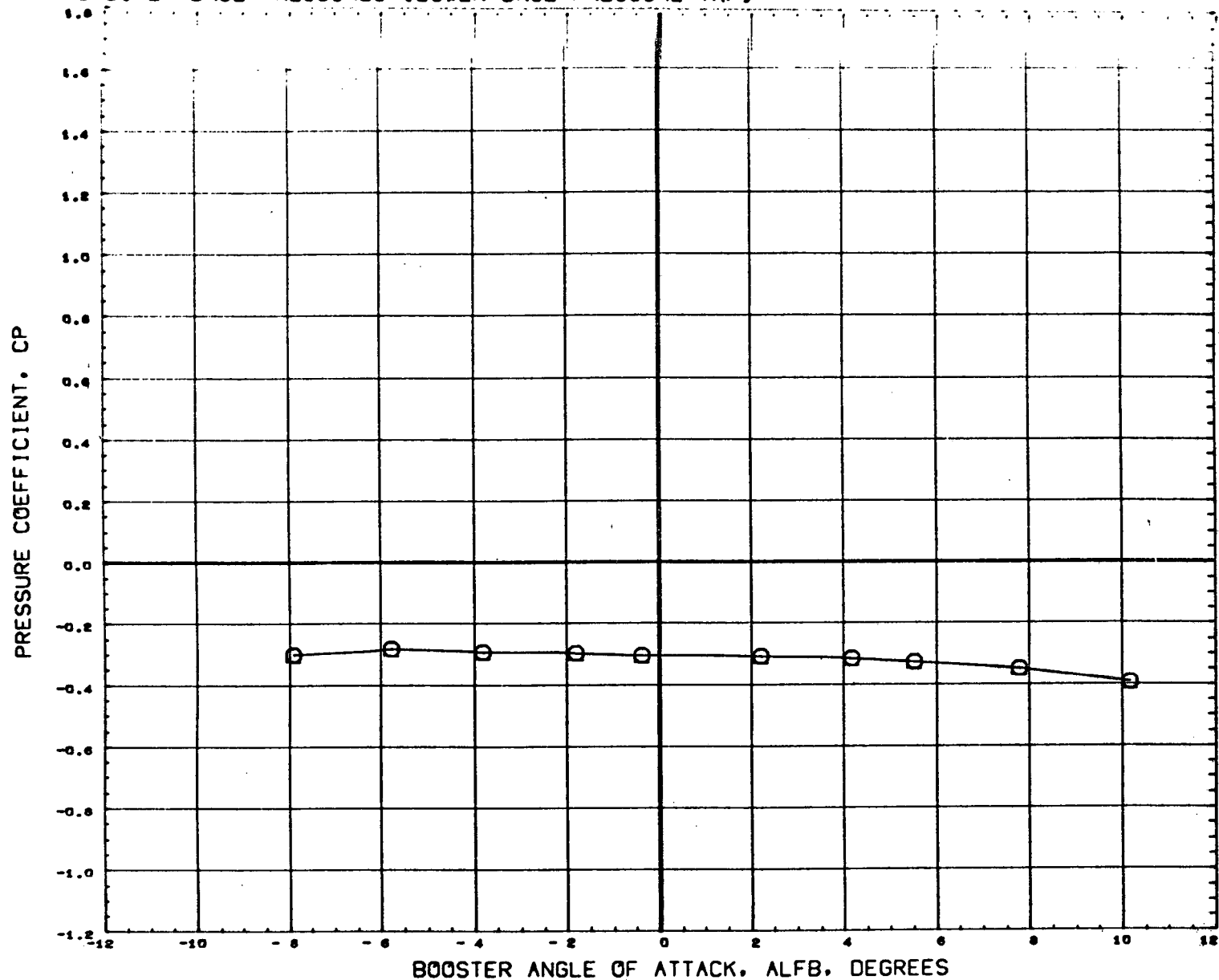
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.100

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 1.000

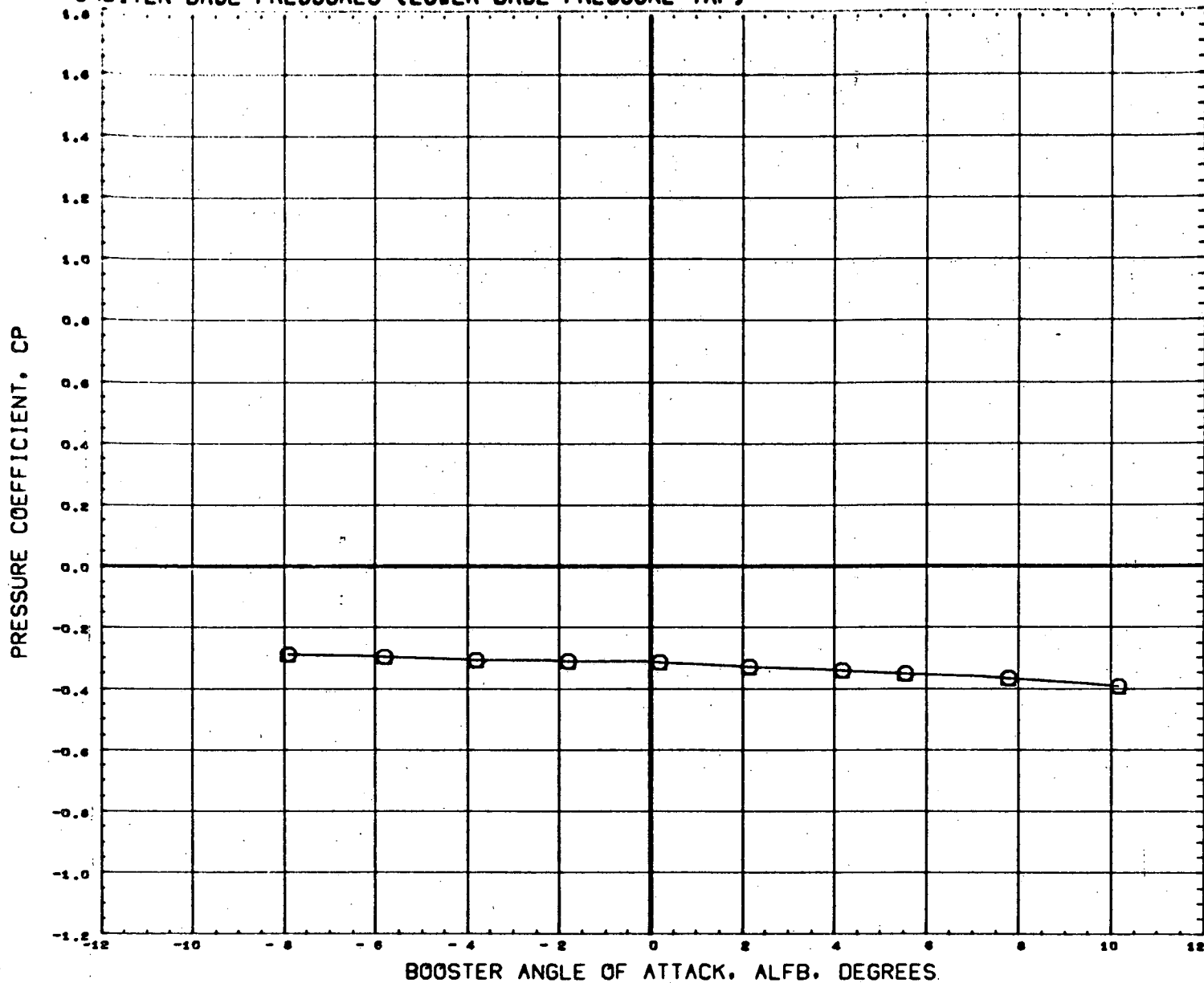
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

PAGE 496

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.201

PARAMETRIC VALUES
BETA 0.000 OX/L 0.036
I 1.000

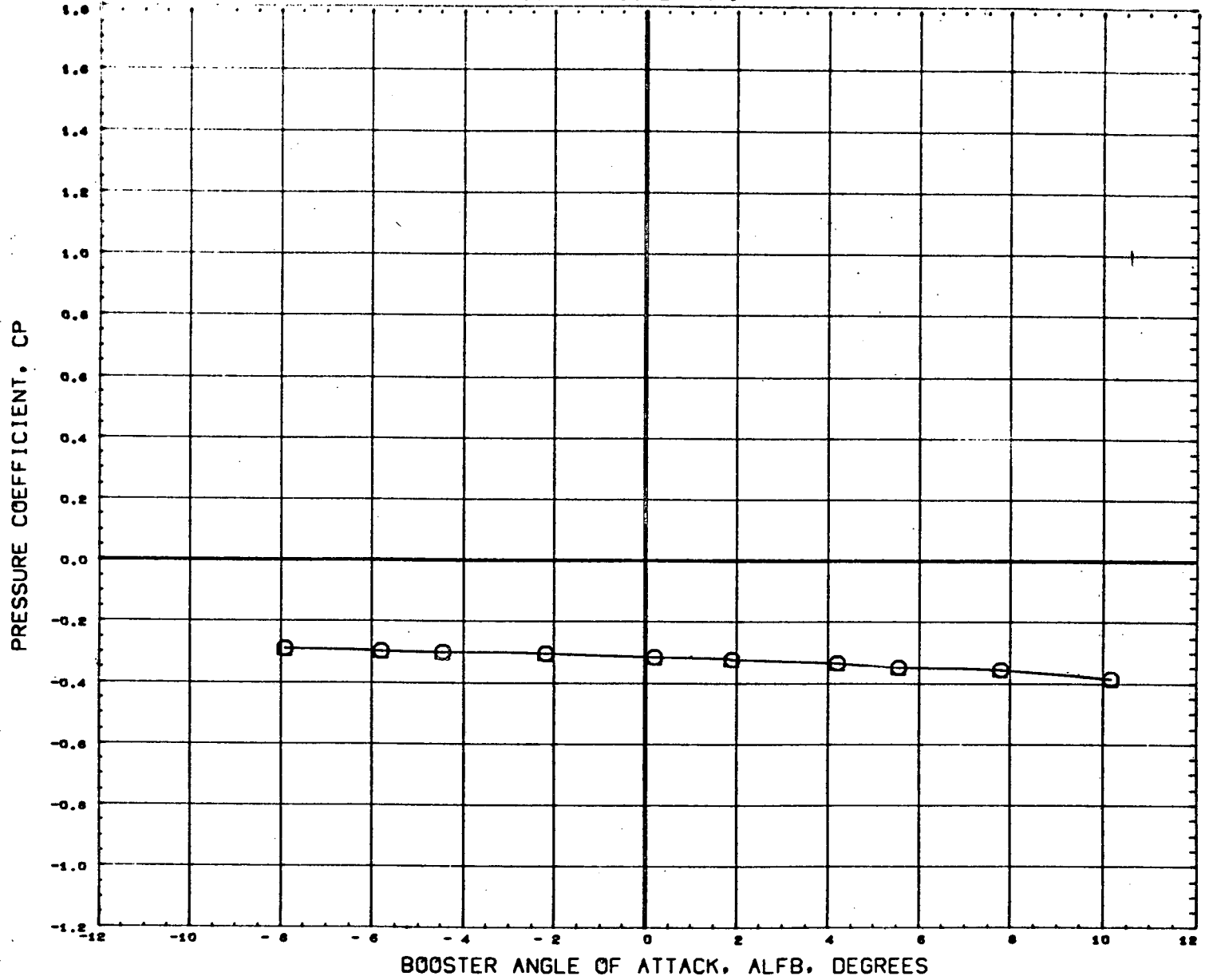
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

PAGE 497

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 1.299

PARAMETRIC VALUES
BETA 0.000 DX/L 0.036
I 1.900

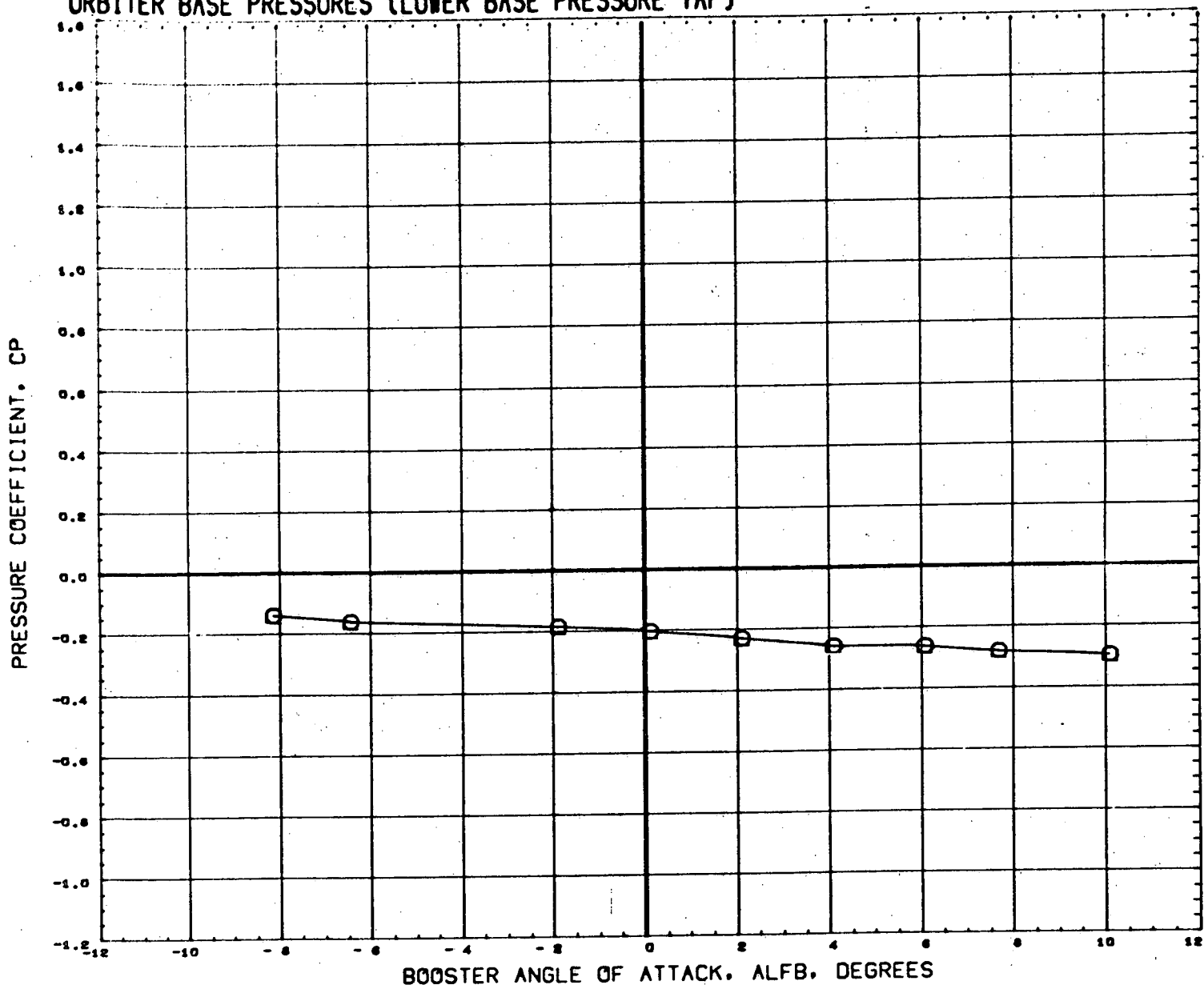
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC009)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.602

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 3.000

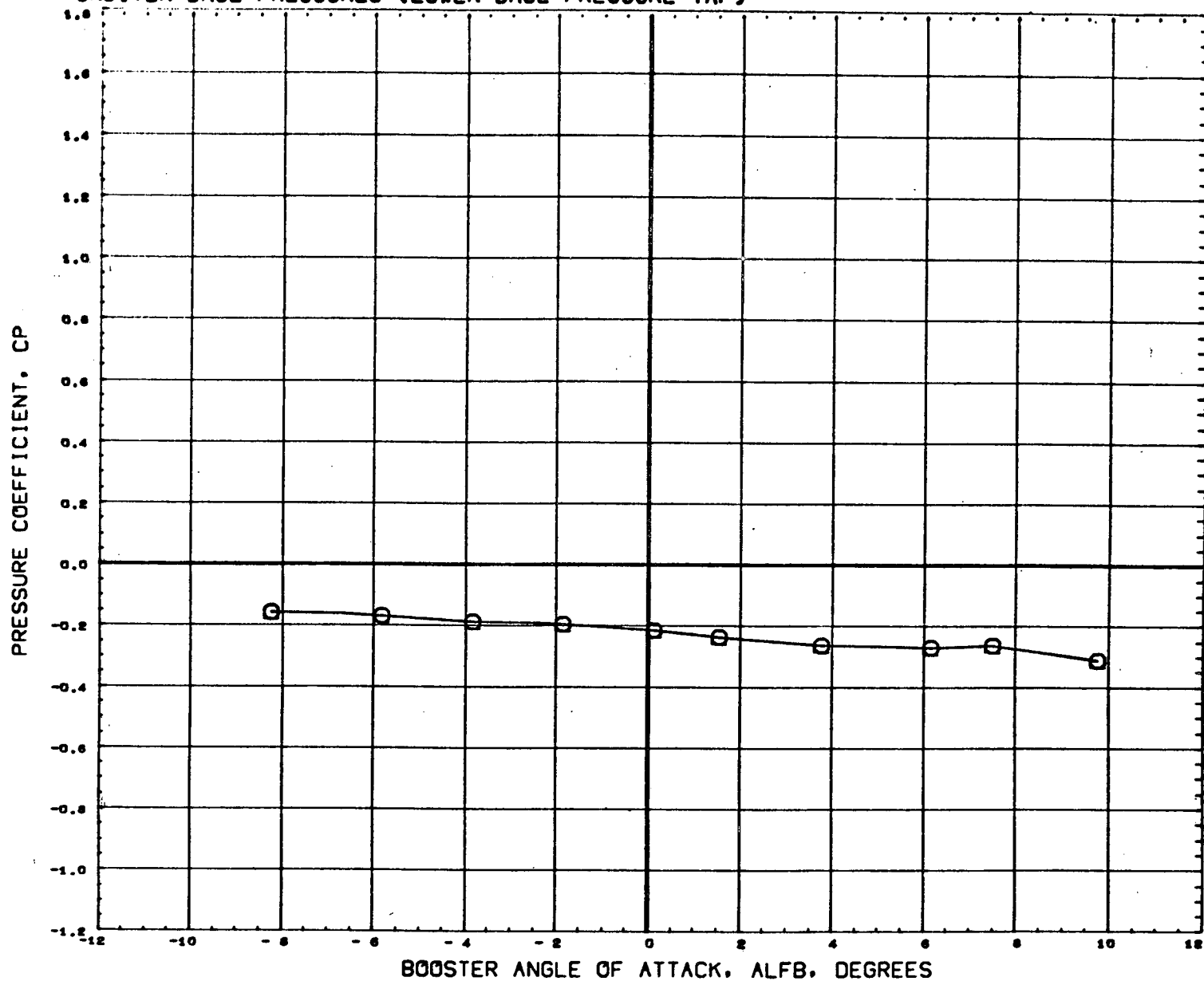
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC010)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 ○ 44.000 0.138 0.902

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 1 3.800

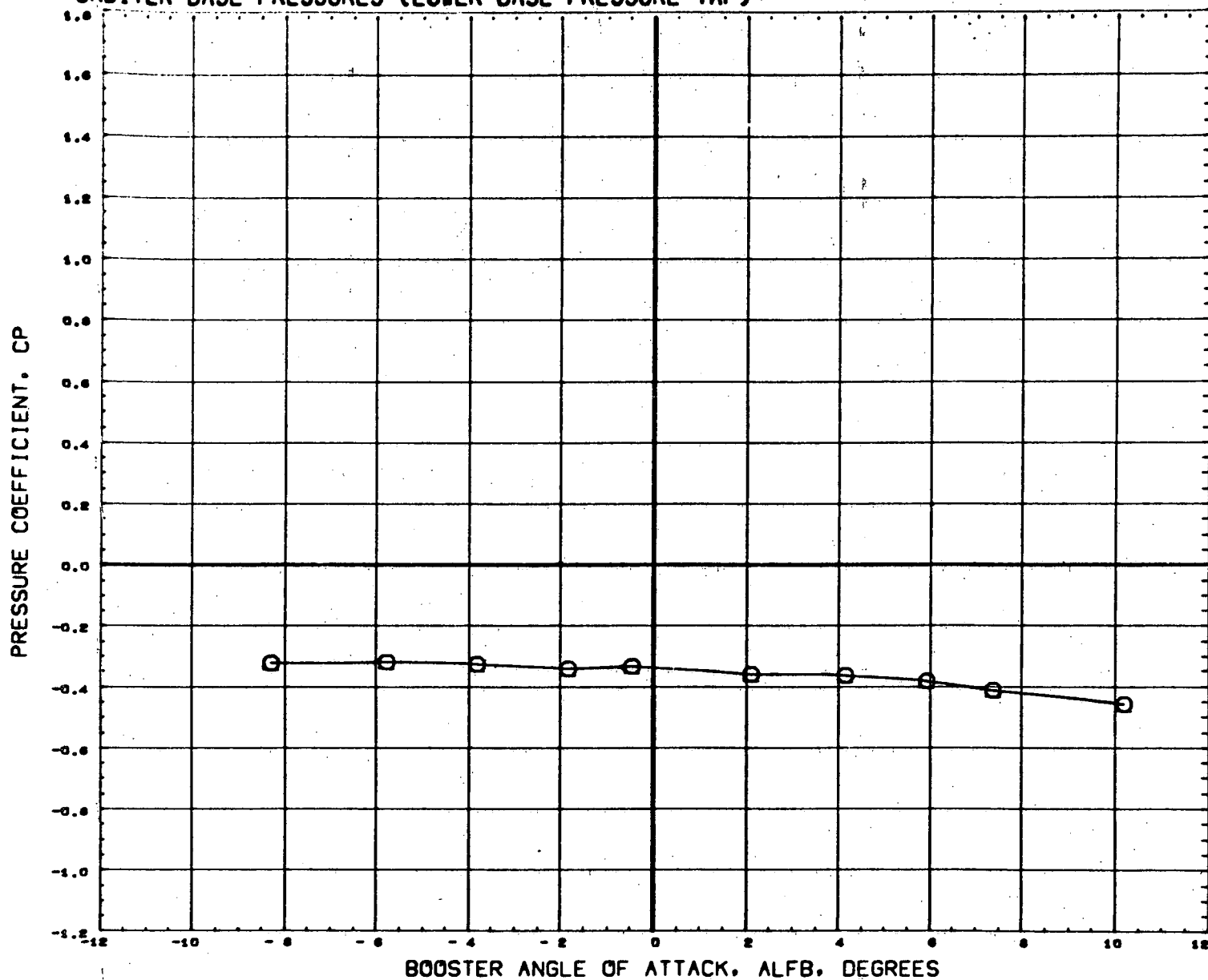
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC010)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.002

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 3.800

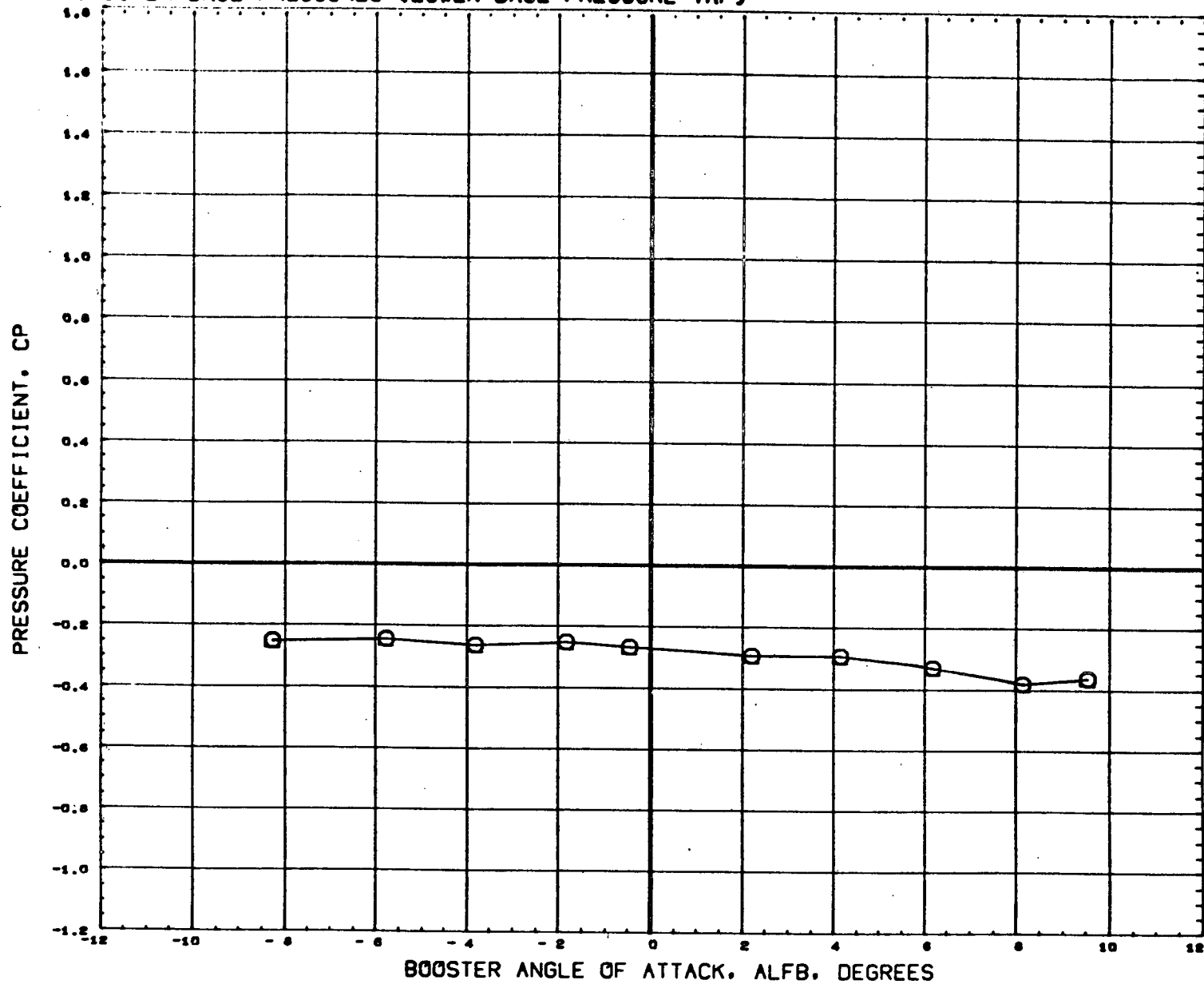
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC010)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.099

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 3.600

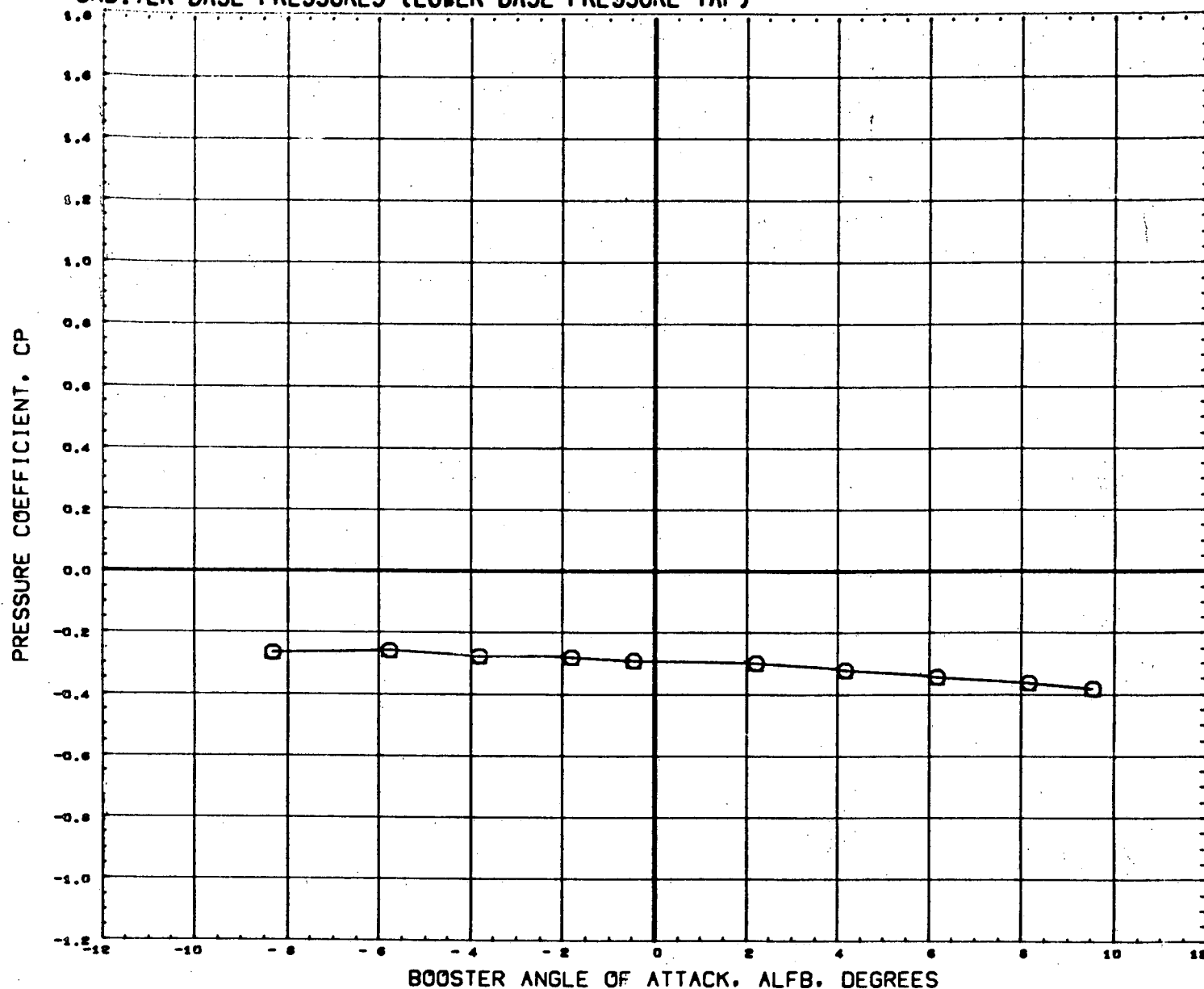
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC010)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.199

PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 3.000

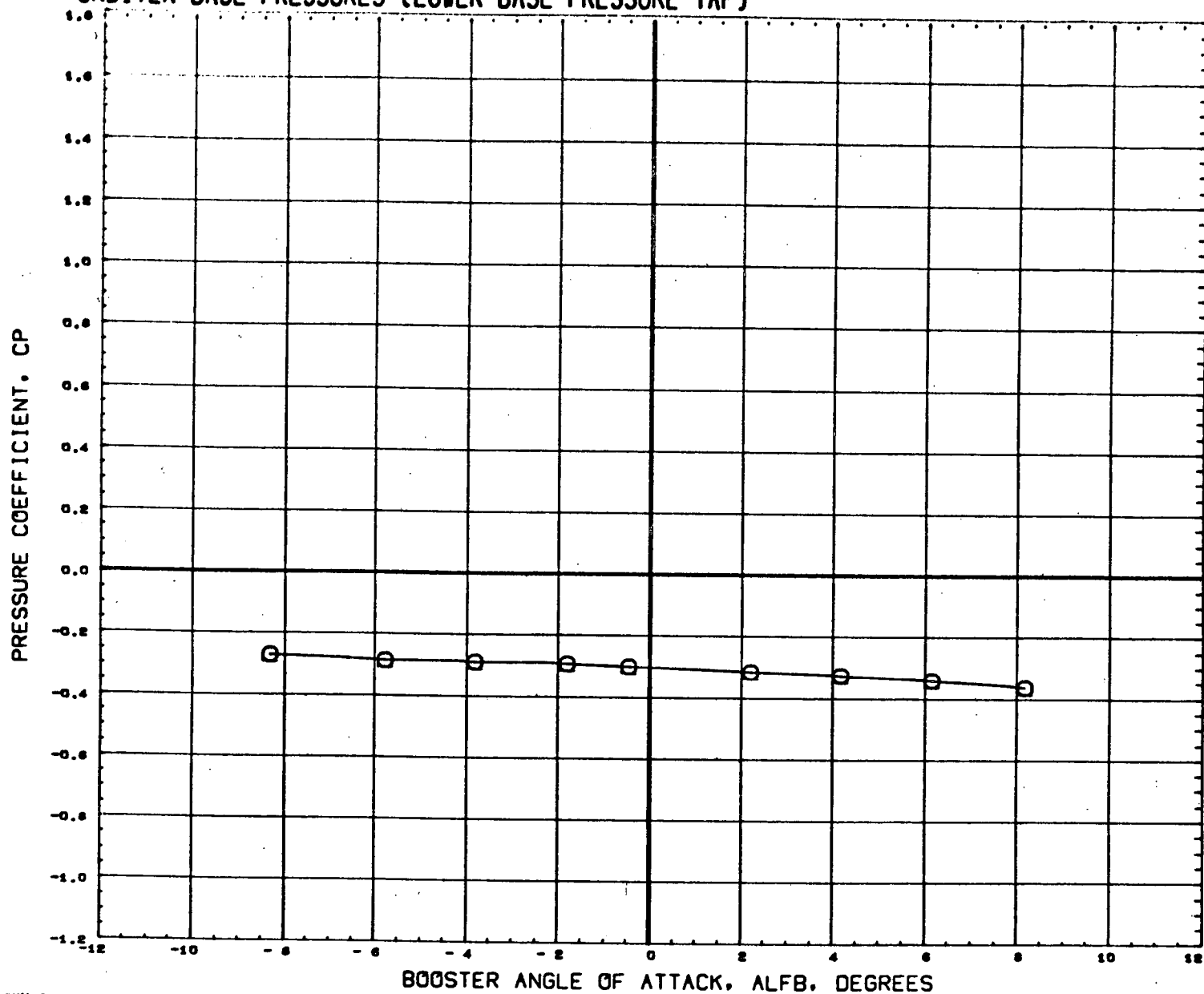
REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

(ITC010)

PAGE 503

ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.297

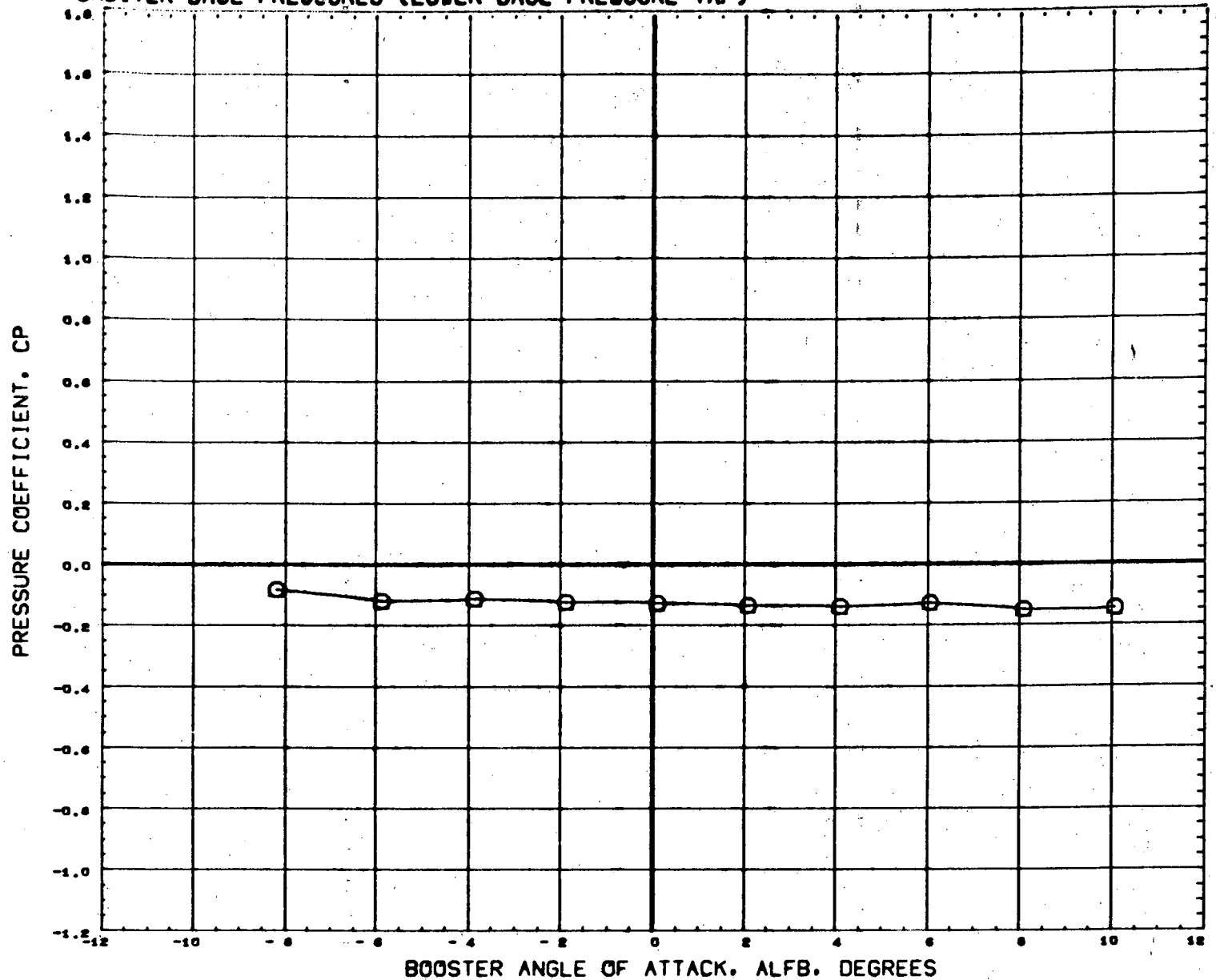
PARAMETRIC VALUES
 BETA 0.000 DX/L 0.036
 I 3.800

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE) (ITC010)

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL \bigcirc TAP NO 44.000 Y/B 0.138 M1 0.598

PARAMETRIC VALUES
BETA 0.000 DX/L - 0.194
I 0.000

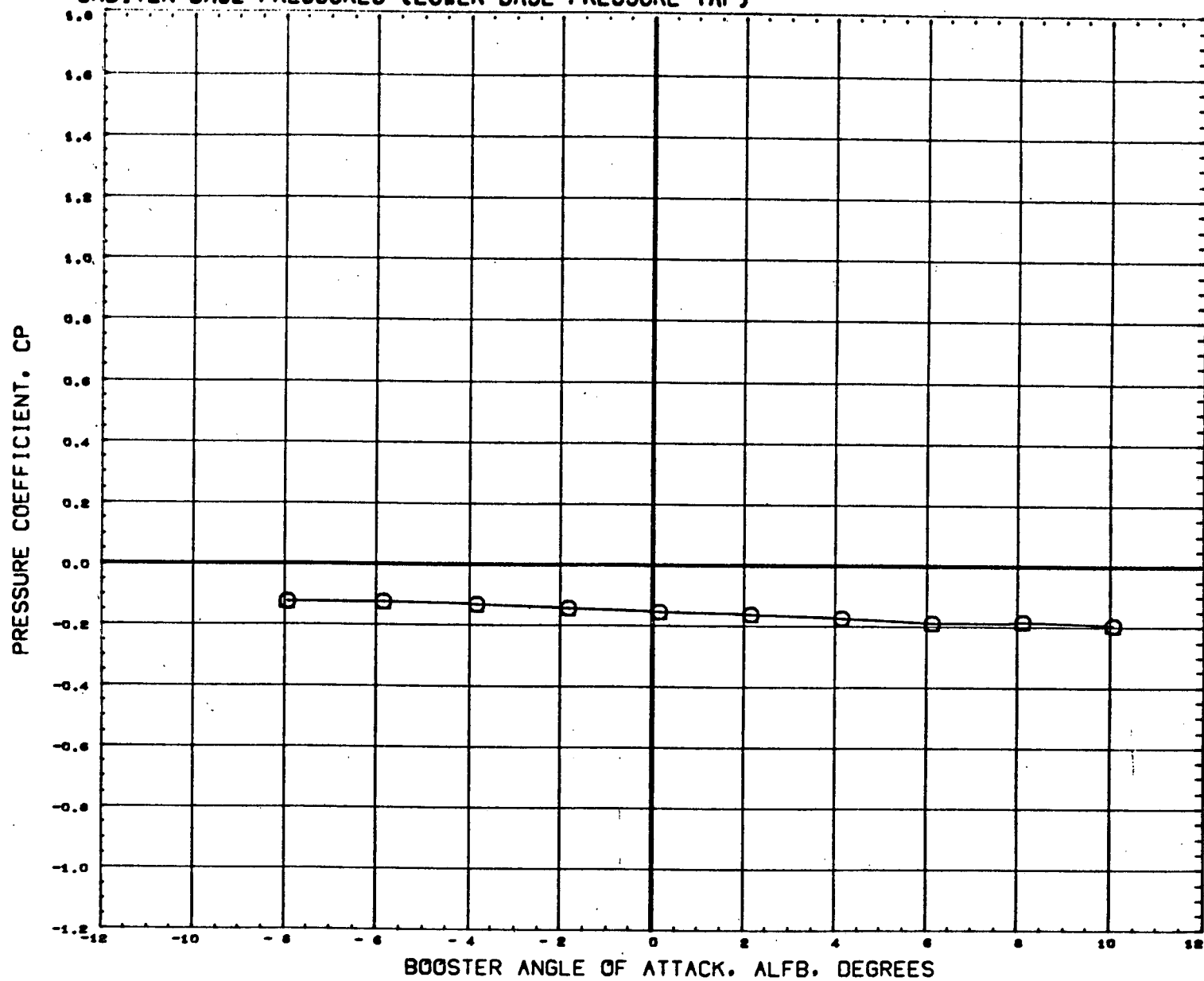
REFERENCE FILE

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 0.900

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

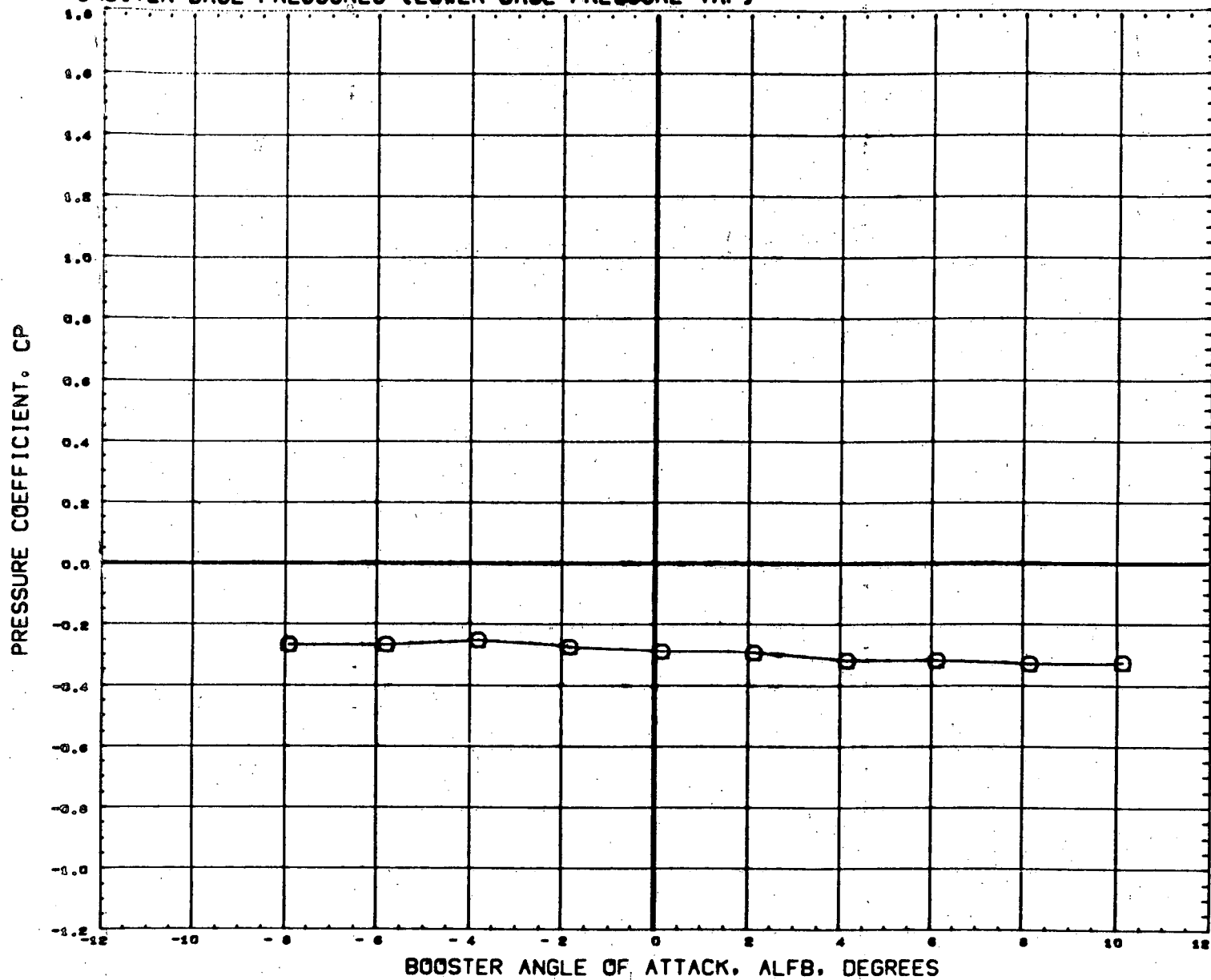
REFERENCE FILE

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.000

PARAMETRIC VALUES
 BETA 0.000
 I 0.000
 DX/L - 0.194

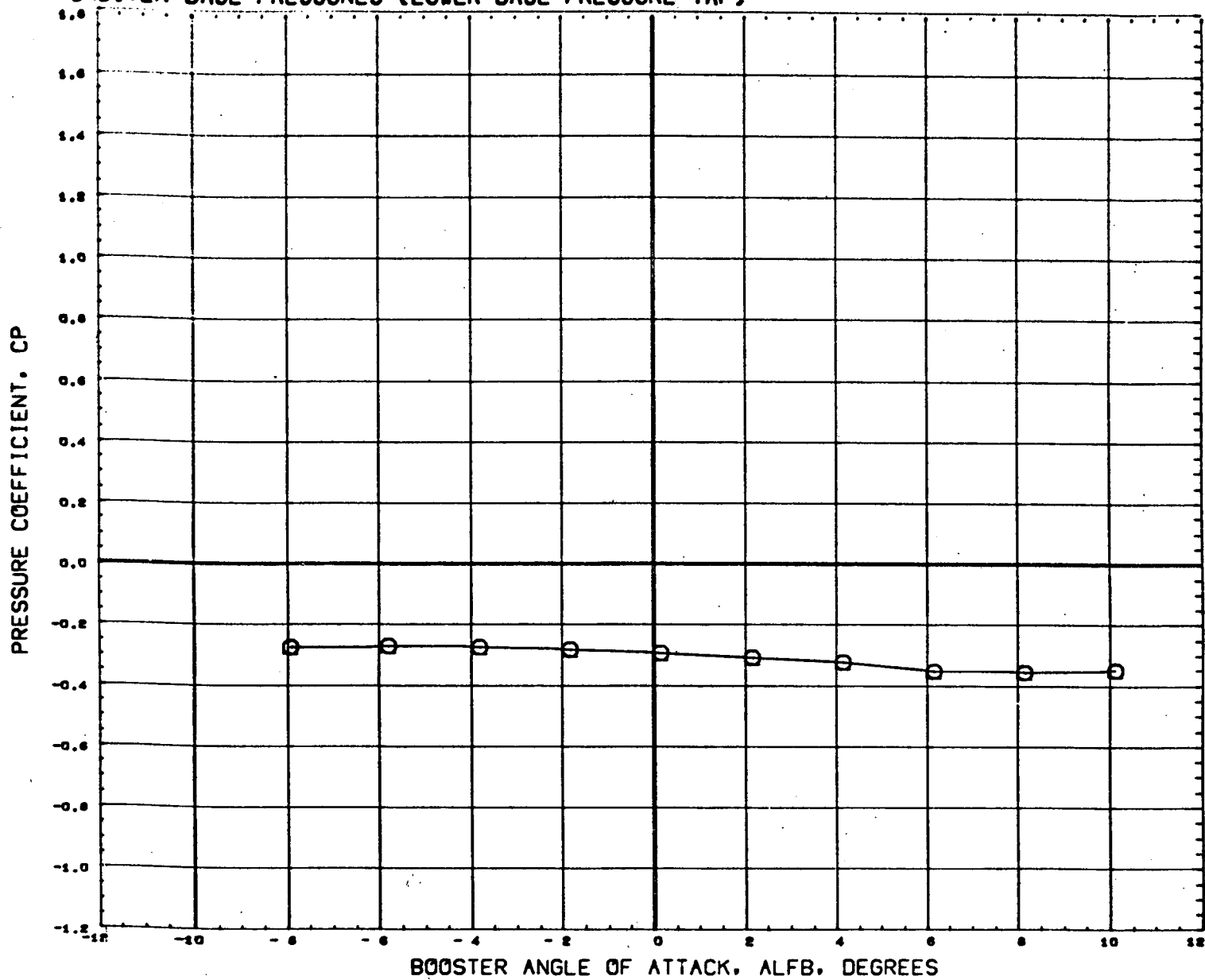
REFERENCE FILE

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.136 1.104

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

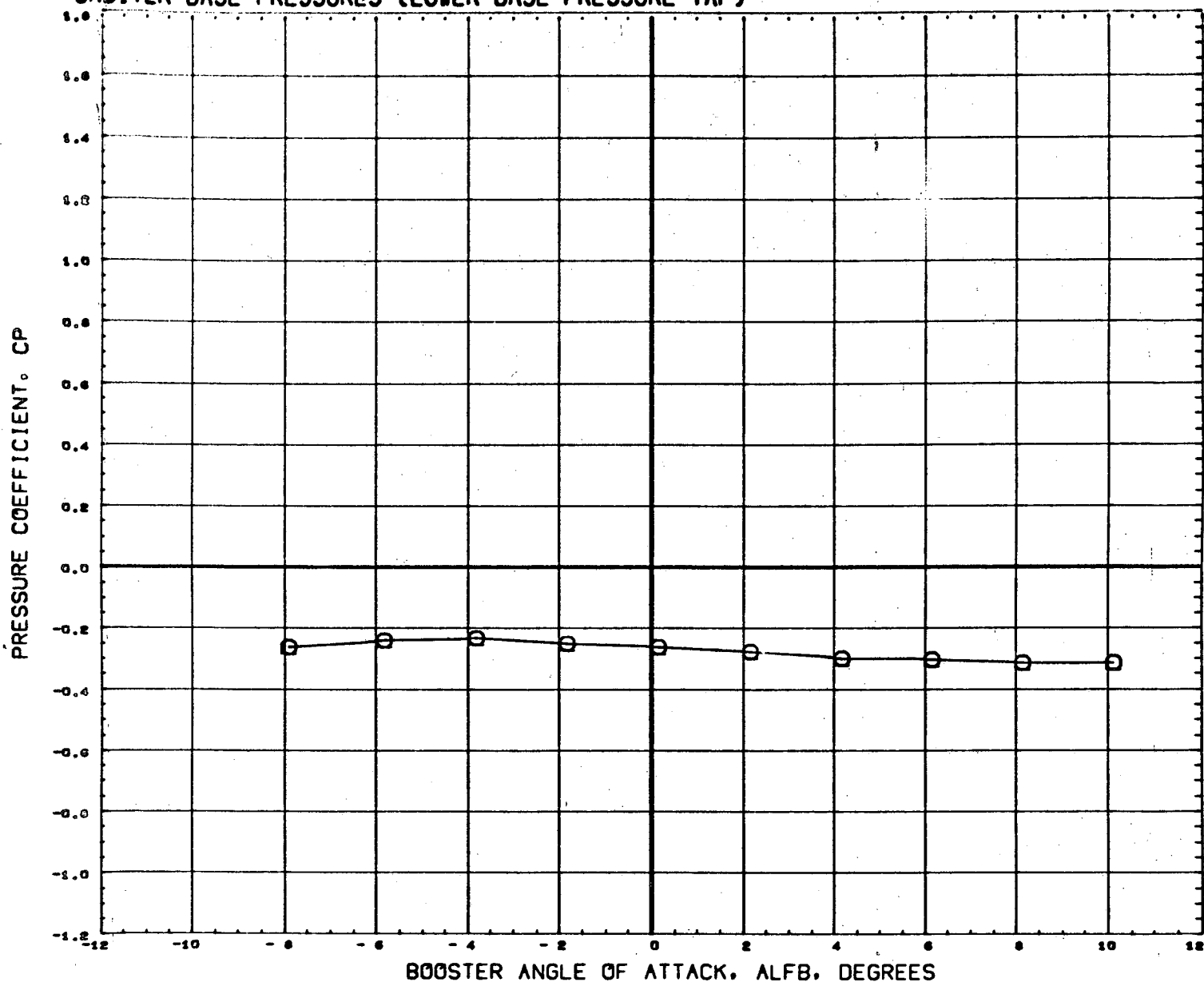
REFERENCE FILE

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.201

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

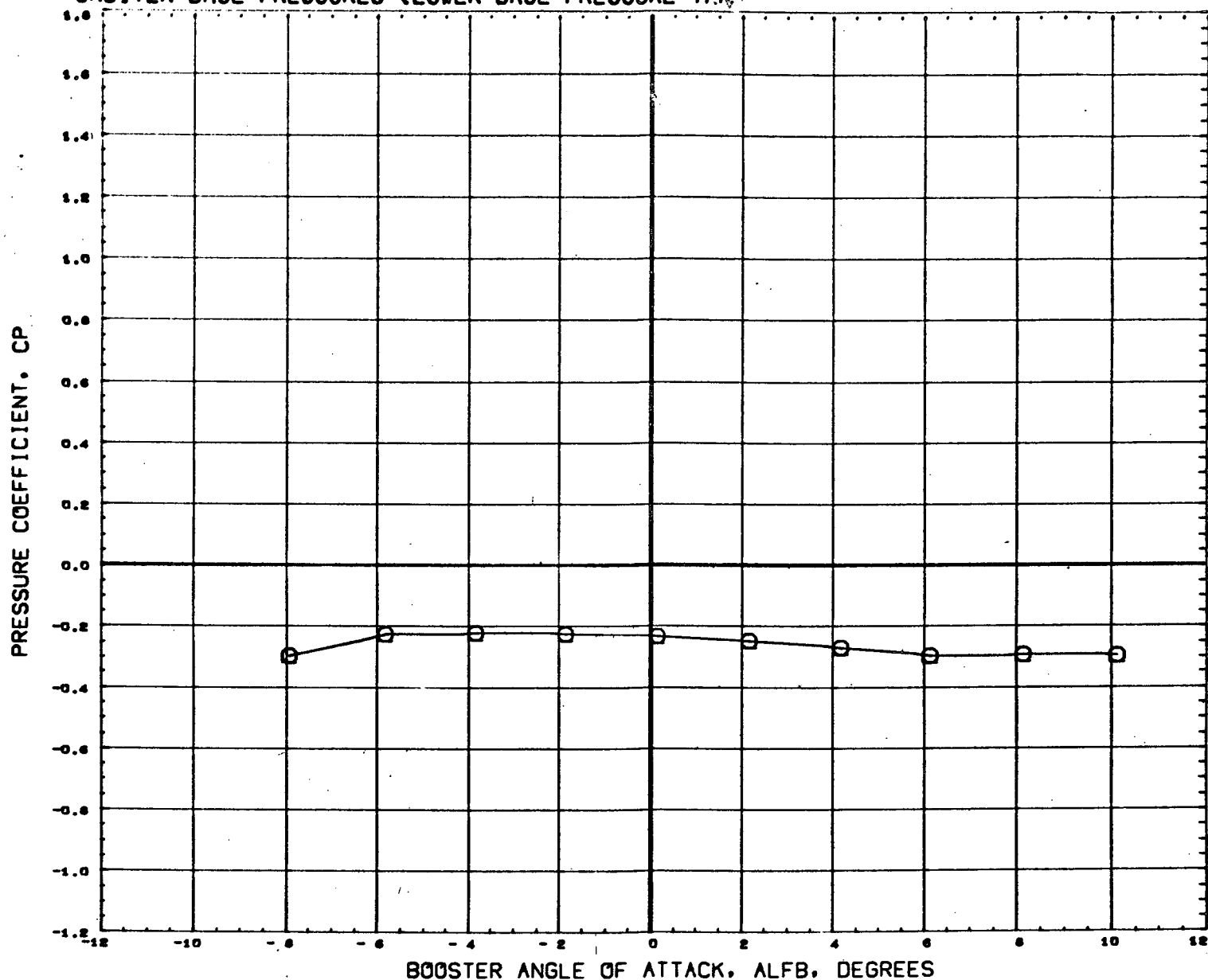
REFERENCE FILE

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ORBITER BASE PRESSURES (LOWER BASE PRESSURE TAP)



SYMBOL TAP NO Y/B M1
 O 44.000 0.138 1.300

PARAMETRIC VALUES
 BETA 0.000 DX/L - 0.194
 I 0.000

REFERENCE FILE

AEDC TC174 MDAC ORBITER NEAR BOOSTER (BASE)

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